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2014 Conference of the Great Plains Honors Council

***Looking Back-Looking Forward***

Hosted by the Honors International Studies Program at UAFS

***Conference Schedule at-a-glance***

**Friday March 28**

(all Friday events take place in the *Fort Smith Convention Center*)

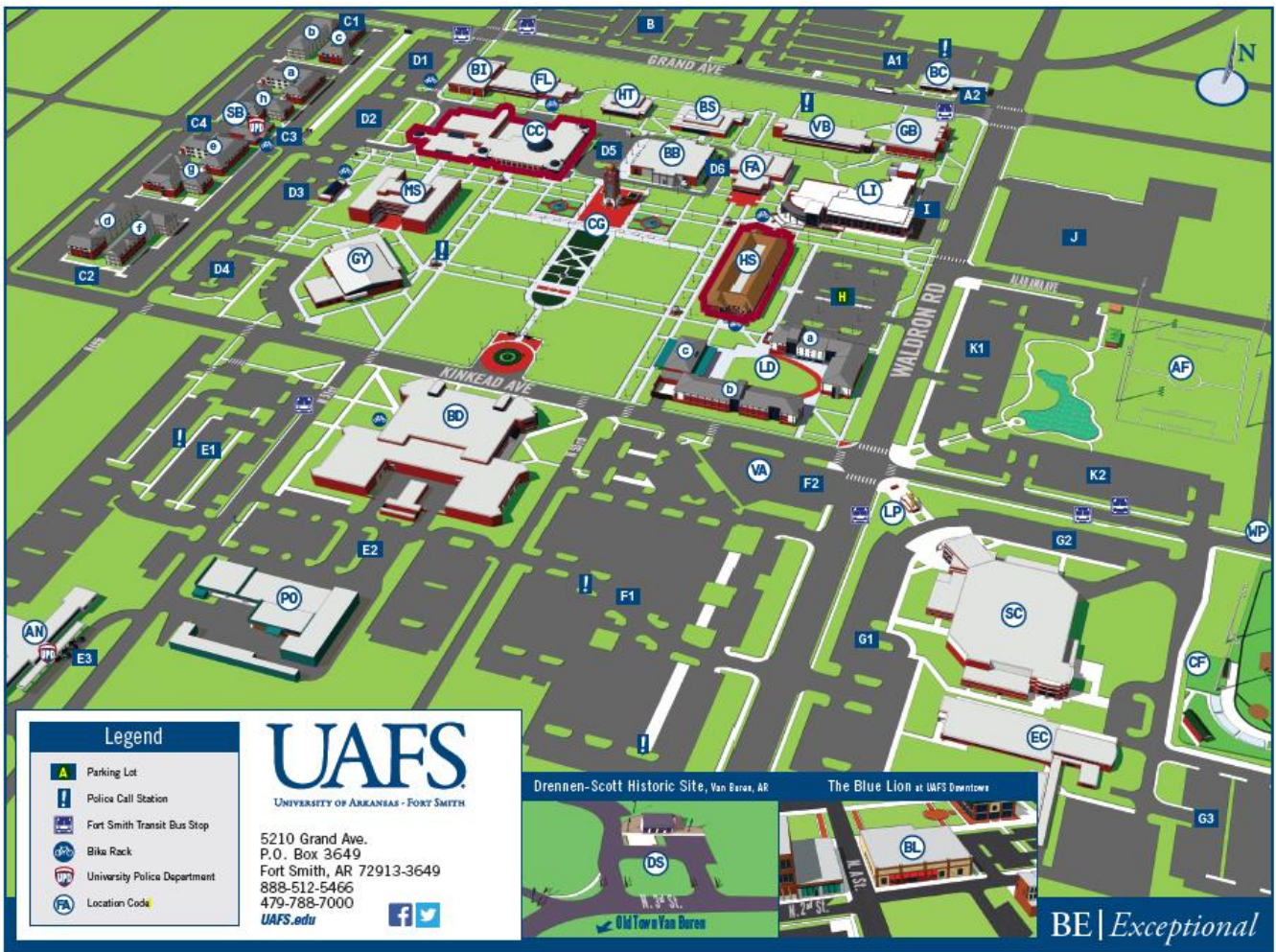
Registration	3:00-6:30pm -lobby
Nuts and Bolts session for faculty and administrators	4:45-5:30pm -Exhibit Hall A-3
Poster sessions	5:30-6:30pm -lobby
Welcome Banquet	7:00-9:00pm -Exhibit Halls A-1/A-2
Acoustic Jam session	8:30pm -Exhibit Hall A-3

**Saturday, March 29**

Breakfast for Holiday Inn City Center guests	7:00-9:00am -Judge Parker room
Off-site visits in downtown Fort Smith	8:30-11:00
Spiro, D-S House, and Nature Center visitors board buses	8:30am -Holiday Inn City Center
Spiro, D-S House, and Nature Center board buses/return	11:15am
Lunch on your own	11:30am-12:45pm
City Center visitors board buses for UAFS campus	1:00pm -Holiday Inn City Center
Texas Directors Meeting	1:15-1:45 -Health Sci. Weidman Ctr
Boe presentations at UAFS campus	1:45-3:15 -Breedlove Auditorium
Conference sessions at UAFS campus	1:45-6:50pm -Health Sciences bldg.
Closing Banquet at Smith Pendergraft Campus Center	7:00-9:00pm
Board buses for return to Holiday Inn-City Center	9:00pm -Smith/Pendergraft Ctr W.

**Sunday, March 30**

GPHC general meeting	7:30am -Holiday Inn: Razorback Room
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**Legend**

- Parking Lot
- Police Call Station
- Fort Smith Transit Bus Stop
- Bike Rack
- University Police Department
- Location Code

**UAFS**  
UNIVERSITY OF ARKANSAS - FORT SMITH

5210 Grand Ave.  
P.O. Box 3649  
Fort Smith, AR 72913-3649  
888-512-5466  
479-788-7000  
[UAFS.edu](http://UAFS.edu)



**BE | Exceptional**

- AN 51st Annex**  
Education Renewal Zone  
Greek Life  
University Police Department  
Leadership Fort Smith  
ROTC
- AF Athletic Field**
- BD Baldor Technology Center**  
Dean, College of Applied Science and Technology  
Western Arkansas Technical Center  
Engineering  
Computer and Information Sciences
- BL The Blue Lion at UAFS Downtown**  
Arvest Gallery
- BS Ballman-Speer Building**  
Art  
Speech
- LI Boreham Library**  
24-hour Zone Student Lounge  
The Doug and Cathy Babb Center for Student Professional Development  
Center for Excellence in Teaching and Learning  
Family Enterprise Center  
John Lewellen, Sr. Outdoor Reading Area  
Library Services  
Student Professional Development Center  
TRIO/Student Support Services
- BB Breedlove Building**  
**Auditorium**  
Music  
Theatre
- BI Business & Industrial Institute**  
Dean, College of Business  
Center for Business Research and Economic Development  
David L. Bond Conference Room  
Family Enterprise Center  
Innovation & Entrepreneurship Center  
Latture Conference Center

- BC Business Center**  
Alumni Center  
Finance, Payroll and Accounting  
Procurement Office
- CC Smith-Pendergraft Campus Center**  
Vice Chancellor for Student Affairs  
Associate Vice Chancellor for Campus and Community Events  
Dean, Enrollment Management  
Admissions  
Advisement  
Board Room  
Box Office  
Campus Activities Board  
Career Services  
Cashier  
Dining Services/Food Court  
Enrollment Management  
Financial Aid  
Intramurals  
Lions Bookstore  
Office of Non-Traditional Students  
Records/Registrar  
Reynolds Room  
The Sally Boreham Gallery  
Student Activities  
Student Senate  
Testing Center  
Welcome Center
- CF Crowder Field**
- CG Donald W. Reynolds Plaza, Tower and Campus Green**
- DS Drennen-Scott Historic Site**  
Museum  
Visitor Center
- EC Echols Building**  
Academy of the Arts  
Conference Center  
Institute for Math and Science Education  
Preschool Education

- FL Flanders Business Center**  
Center for Business and Professional Development  
College of Business
- FA Fullerton Administration Building**  
Chancellor  
Provost and Senior Vice Chancellor  
Vice Chancellor for Finance and Administration  
Vice Chancellor for University Advancement  
Vice Chancellor for University Relations  
Human Resources  
Institutional Effectiveness  
Marketing and Communications  
The Mary Tinnin Jaye Gallery of Art  
Public Relations  
University Foundation
- GB Gardner Building**  
Technology Support  
Social Sciences
- GY Gymnasium/Field House**  
Center for Lifelong Learning  
ELS Fort Smith  
Health Education Center/Fitness Center
- HS Pendergraft Health Sciences Center**  
Dean, College of Health Sciences  
Dental Hygiene Clinic  
Powell Student Health Clinic  
UAFS Counseling Clinic
- HT Holt Building**  
English
- LD Lion's Den**  
Residence Hall  
Ⓐ North Hall  
Ⓑ South Hall  
Ⓒ Dining Hall
- LP Lion Plaza**
- MS Math-Science Building**  
Dean, College of Science, Technology, Engineering & Mathematics  
Dean, College of Education

- PO Plant Operations**  
Building Maintenance  
Custodial Services  
Document Services/Duplication  
Grounds  
Motor Pool  
Plant Operations  
Administrative Offices  
Shipping and Receiving  
Telecommunications Services
- SB Sebastian Commons**  
Student Apartments  
Ⓐ Bronson  
Ⓑ Callaway  
Ⓒ Donoho  
Ⓓ Furr  
Ⓔ Hanna  
Ⓕ Long  
Ⓖ Orr  
Ⓗ Wertz
- SC Stubblefield Center**  
Athletics  
Athletic Club
- VA Future Location of the New Visual Arts Building**
- VB Vines Building**  
Dean, College of Humanities and Social Sciences  
Dean, College of Languages and Communication  
College Preparatory  
Criminal Justice  
Gordon Kelley Academic Success Center  
History  
International Relations  
Philosophy  
Psychology  
Student ADA Services  
Upward Bound  
World Languages
- WP Wenderoth Park**

**CAMPUS 911 ADDRESSES**

51st Annex	425 N. 51st St.
Athletic Field	5401 Kinkead Ave.
Baldor Technology Center	5100 Kinkead Ave.
The Blue Lion at UAFS Downtown	101 N. 2nd St.
Ballman-Speer	5200 Grand Ave.
Boreham Library	813 N. Waldron Road
Breedlove	5120 Grand Ave.

Business Institute/Flanders	5020 Grand Ave.
Business Center	5317 Grand Ave.
Crowder Field	5600 Kinkead Ave.
Donald W. Reynolds Bell Tower	5115 Kinkead Ave.
Drennen-Scott	221 N. Third St., Van Buren
Echols	504 N. Waldron Road
Fullerton Administration	5300 Grand Ave.
Gardner	5316 Grand Ave.

Gymnasium/Field House	5004 Kinkead Ave.
Pendergraft Health-Sciences	715 N. Waldron Road
Holt	5112 Grand Ave.
Kinkead Annex	5318 Kinkead Ave.
Lion's Den Dining Hall	601 N. Waldron, Dining
Lion's Den North Hall	601 N. Waldron, North
Lion's Den South Hall	601 N. Waldron, South
Math-Science	720 N. 49th St.

Plant Operations	500 N. 51st St.
Sebastian Commons	801 N. 49th St.
Second Street	101 N. 2nd St.
Smith-Pendergraft Campus Center	800 N. 49th St.
Stubblefield Center	532 N. Waldron Road
Vines	5320 Grand Ave.
Wenderoth Park	5703 Kinkead Ave.

March 28, 2014

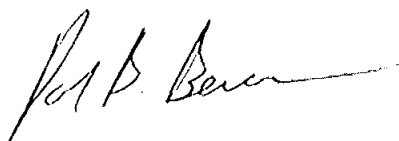
Dear Colleagues:

I would like to personally welcome each of you to the 2014 Conference of the Great Plains Honors Council. It's an exciting time for honors education, as we continue to grow and adapt, "looking forward" to the future while celebrating the successes of the past. GPHC is confronting a time of many changes and we're meeting these changes during a time of larger nation-wide and global change. The world of honors is an exciting area in which to work and study, and we'll continue to meet and bring inspired people together in forums like this to ensure GPHC remains at the cutting edge.

Over the next three days you will have the opportunity to engage in poster and oral presentations, take part in off-site visits, and enjoy other gatherings, banquets, and conversations. I hope you will seize the opportunities this conference offers, and that you will enjoy Fort Smith and the UAFS campus.

I would like to thank each of you for attending the conference and for bringing your expertise to our gathering. You, as students, faculty, honors program directors, and administrators, have the vision, the knowledge, the wherewithal, and the experience to help us pave our way into the future. You are truly the greatest asset the GPHC has, today and tomorrow, and we could not accomplish what we do without your support and leadership. Throughout this conference, I challenge you to stay engaged, keep proactive and help shape the future of the GPHC. My personal respect and thanks goes out to all of you.

Sincerely,



Paul B. Beran, Ph.D.  
Chancellor

## Poster Presentation Guidelines

- Only one poster per presenter can be accommodated
- Posters should not exceed 3 feet x 4 feet and be designed for presentation on an easel
- Presenters are responsible for setting up their own poster during the scheduled time and for removing it at the end of the session.
- Presenters may want to bring extra copies of their data and conclusions. Duplication facilities will not be available.
- Presenters should remain with their poster during the one hour poster session.

## Oral Presentation Guidelines

- Please show up just prior to your session start time. Be prepared to upload your presentation to the computer in your assigned room
- **Presentations are limited to 10 minutes**
- Please be advised that presentation exceeding the limit will be cut off by the moderators in the interest of time. Please practice your presentation to prevent this from happening.
- Q & A will be facilitated by the session moderator at the end of the final presentation.

# Index of Presenters

<b>Student Name</b>	<b>Type</b>	<b>Presentation Title</b>	<b>Date/Time</b>	<b>Room</b>
Agee, Alley	Boe	Oklahoma's Energy Discourse: An Ecofeminist Rhetorical Analysis	Sat., 4:40 – 5:40	Weidman Ctr
Akhter, Asad	Oral	A Novel Fabrication of Carbon Nanotube Arrays	Sat., 4:40 – 5:40	HS318
Allahyar, Arrash	Poster	Quantifying Live <i>Lactobacillus</i> GG in Commercial Probiotic Supplements	Fri., 5:30 – 6:30	Holiday Inn
Almendarez, Andrea	Oral	Research Collaboration and Scientists' Publication Productivity: Do Asymmetry or Symmetry of Collaborative Relationships Matter?	Sat., 3:30 – 4:30	HS325
Baker, Ashley Jarzabski, Jordyn Dr. Knurr, Gretchen Dr. Litton, Guy	Oral	The Touchstone Honors Program (20 min.)	Sat., 4:40 – 5:40	HS222
Baker, Keri	Poster	Civic Engagement: A Healthier You, A Healthier Community	Fri., 5:30 – 6:30	Holiday Inn
Barnett, Blake	Oral	An Analysis of Satan's Devolution in <i>Paradise Lost</i> : The Transformation of a Byronic Hero	Sat., 4:40 – 5:40	HS227
Berner, Bailie	Boe	Debunking the Myth: Defending the Missouri Public Defender Program	Sat., 4:40 – 5:40	HS124
Boehm, Candace	Oral	An Exegetical Overview of Anorexia Nervosa	Sat., 4:40 – 5:40	HS223
Branum, Elissa	Oral	Incessant Injustice	Sat., 4:40 – 5:40	HS326
Brown, Westin	Oral	Jacob Burckhardt and the Renaissance	Sat., 4:40 – 5:40	HS124
Burnett, Sarah	Boe	I am Going to the Chapel, and I am Going to Preserve History: Uncovering Hidden Truths and Myths about Cedar Bayou United Methodist Church	Sat., 3:30 – 4:30	Weidman Ctr
Burt, Leah	Oral	Historical Threads	Sat., 5:50 – 6:50	HS321
Campagna, Brendan	Oral	In With the Old, In With the New	Sat., 3:30 – 4:30	HS325
Campbell, J.C. Kiddo	Poster	Comparative Nesting Ecology of Scaled and Gambel's Quail in the Trans Pecos	Fri., 5:30 – 6:30	Holiday Inn
Carrillo Adolfo	Oral	John Henry Faulk: A Symbol for Constitutional Rights	Sat., 5:50 – 6:50	HS326
Carroll, Molly	Oral	The Dictator Complex	Sat., 5:50 – 6:50	HS318
Chadwick, Amber	Oral	Lynching: A Dark Time in Texas History	Sat., 5:50 – 6:50	HS222
Chapman, Ashlea	Poster	The Mathematics of Music	Fri., 5:30 – 6:30	Holiday Inn
Clawson, Kyle	Poster	The University of Texas at Tyler Alumni Relations House	Fri., 5:30 – 6:30	Holiday Inn
Cluck, Natalie	Oral	The Computer Inside Your Head	Sat., 4:40 – 5:40	HS326
Cobler, Tara	Boe	Why is the Sky Gray?	Sat., 4:40 – 5:40	HS124
Coleman, Elyse	Boe	Texans Loved the Railroads	Sat., 3:30 – 4:30	Weidman Ctr
Cortez, Oscar	Poster	Cellobiase Activities in Fungal Samples	Fri., 5:30 – 6:30	Holiday Inn
Cote, Candy	Oral	Causes and Effects of the 22Q11 Deletion Syndrome	Sat., 5:50 – 6:50	HS318

<b>Student Name</b>	<b>Type</b>	<b>Presentation Title</b>	<b>Date/Time</b>	<b>Room</b>
Covington, Hannah	Oral	A Complementary Convergence: The Relationship Between Science and Literary Criticism	Sat., 3:30 – 4:30	HS318
Cumpian, Kayleah	Boe Winner	Wright Patman: Twentieth-Century Populist	Sat., 1:45 -- 3:15	Breedlove
Darnell, Jessica	Oral	A Blazing Vision: How Science, Literature, and the Future Coalesce in Ray Bradbury's <i>Fahrenheit 451</i>	Sat., 3:30 – 4:30	HS325
deBie, Jennifer	Oral	Exploring Scientific Morality Using Narrative Fiction	Sat., 5:50 – 6:50	HS124
Denham, Aimee	Poster	The Effect of <i>Bt</i> Crops and their Subsequent Formation of Cry Proteins on the Surrounding Environment	Fri., 5:30 – 6:30	Holiday Inn
Dew, Abigail	Oral	The Terrors of Technology: A Future Bereft of Books	Sat., 5:50 – 6:50	HS321
Dominguez, Selene	Oral	Modern Day Slavery: A Closer Look at Human Trafficking	Sat., 4:40 – 5:40	HS223
Donegan, Elizabeth	Oral	A Study of Healthy Whole Grain Breads in Grocery Stores	Sat., 4:40 – 5:40	HS318
Dougherty, Sean	Poster	An Internship with the Houston Mayor's Reelection Campaign	Fri., 5:30 – 6:30	Holiday Inn
Emerson, Laken	Oral	Thinkers and Their Thoughts: Socrates, Solomon, and Seuss	Sat., 5:50 – 6:50	HS222
Emerson, Laken	Performance	Flute Performance	Sat., 4:40 – 5:40	Weidman Ctr
Estep, Amanda Wood, Megan	Performance	Fighting Life (Dance)	Sat., 3:30 – 4:30	Weidman Ctr
Feldkamp, Amy	Poster	Allergies: How Your Body Reacts to the World Around You	Fri., 5:30 – 6:30	Holiday Inn
Fennimore, Lauren	Poster	The Association Between Literacy Level and Final Grades of College Students	Fri., 5:30 – 6:30	Holiday Inn
Ferguson, Abigail	Oral	Communication in End-of-Life Care: A Nurse's Perception	Sat., 4:40 – 5:40	HS326
Ferguson, Claire	Oral	In Defense of <i>Lolita</i>	Sat., 4:40 – 5:40	HS227
Flansburg, Conner	Oral	The Quantum Revolution	Sat., 3:30 – 4:30	HS325
Flewellen, Aundrey	Oral	Social Media Impact on Modern Business	Sat., 5:50 – 6:50	HS124
Flores, Janet	Boe Winner	Surveying Mueschke Cemetery: A Community Preservation Project Led by Applied Geomatics	Sat., 1:45 -- 3:15	Breedlove
Floyd, Jason	Poster	The Deification of Man	Fri., 5:30 – 6:30	Holiday Inn
Garcia, Ashley	Poster	Triclosan Resistance of Onion Rhizobacteria	Fri., 5:30 – 6:30	Holiday Inn
Gardner, Deanna Hallaway, Rosie	Video	How to Make Your Dragon	Sat., 5:50 – 6:50	Weidman Ctr
Gonzalez, Nicholas	Boe	Digital Citizens: Proof that Social Media Creates Social Capital	Sat., 3:30 – 4:30	HS227
Gremillion, Alexander	Poster	Predator Induced Morphological Mutagenesis	Fri., 5:30 – 6:30	Holiday Inn



<b>Student Name</b>	<b>Type</b>	<b>Presentation Title</b>	<b>Date/Time</b>	<b>Room</b>
Gribbin, Addison	Boe	The Dualistic Nature of the Contemporary Congress	Sat., 3:30 – 4:30	HS227
Griffin, Noah	Poster	People and Prokaryotes: A Look at Popular Perceptions about Bacteria	Fri., 5:30 – 6:30	Holiday Inn
Hadwal, Joseph	Boe	The Alchemist and the Playwright: Ben Jonson, a Shakespearean Rival	Sat., 3:30 – 4:30	HS227
Harrington, Sarah	Poster	The Beginning of Music Therapy in Ancient Greece: How the Ancient Greeks Used Music in Healing	Fri., 5:30 – 6:30	Holiday Inn
Heinze, Caira	Poster	Honor Killings: The Need for More Women's Rights in Jordan	Fri., 5:30 – 6:30	Holiday Inn
Henderson, Jonathan	Boe	Stepping From the Shoulders of a Giant: An Examination into Aristotle's Separation From Platonic Thought	Sat., 5:50 – 6:50	Weidman Ctr
Hewett, Cassandra	Oral	Finders Keepers Success	Sat., 4:40 – 5:40	HS321
Hinnrichs, Brandyn	Boe	Effects of a Professional Sports Lockout on a Regional Economy	Sat., 3:30 – 4:30	HS124
Holsapple, Jonathan	Boe	The Oppression of Gola	Sat., 4:40 – 5:40	HS227
Howard, Brianna	Poster	The Effects of a Three-Day Juice Fast on Body Composition and Mood in a 19 Year-Old Female: A Case Study	Fri., 5:30 – 6:30	Holiday Inn
Hummel, Darnelle	Oral	Leadership Uncovered	Sat., 4:40 – 5:40	HS223
Humphreys, Jazmin	Poster	<i>Pseudomonas Aeruginosa</i> Mucoidy and Fluorescent Pigment Production when Grown in Steroid Homomone-Supplemented Medium	Fri., 5:30 – 6:30	Holiday Inn
Jackson, Misty	Oral	The Puritan Myth: False Stereotypes and Unrecognized Accomplishments	Sat., 4:40 – 5:40	HS321
Jackson, Misty	Oral	Recognizing the Role of <i>The Body of Liberties</i> in American Government	Sat., 5:50 – 6:50	HS321
Jensen, Victoria	Oral	Shakespeare's Jurisdiction: Citations of the Bard in American Judicial Opinions	Sat., 4:40 – 5:40	HS318
Johnson, Domanique	Oral	Where Do They Belong?	Sat., 3:30 – 4:30	HS222
Johnson, Nick	Poster	The Norse: Fighters and Explorers	Fri., 5:30 – 6:30	Holiday Inn
Jones, Haylie	Boe	Mental Illness & Film	Sat., 4:40 – 5:40	HS227
Jordan, Monika	Oral	The Mueschke Cemetery: The Impact of Preventative Care on Child and Infant Mortality	Sat., 5:50 – 6:50	HS124
Kelley, Cheyenne	Oral	Changing Lives with Music: A Perspective on Music Therapy and Mental Illness	Sat., 5:50 – 6:50	HS222
Kennady, Maxwell	Oral	Examining the Use of Knowledge Management Technology by a Small Nonprofit to Attain Organizational Goals	Sat., 4:40 – 5:40	HS321
Knox, Duncan	Oral	Experiential Learning: Exploring the Multiple Dimensions of the Transatlantic Slave Trade through the US-UK Summer Fulbright Program	Sat., 5:50 – 6:50	HS318
Latimer, Jesse	Oral	The Artistry of Piano Performance: A Study in Motion-Capture Biomechanics and Piano Pedagogy	Sat., 4:40 – 5:40	HS321

<b>Student Name</b>	<b>Type</b>	<b>Presentation Title</b>	<b>Date/Time</b>	<b>Room</b>
Lewis, Kate	Poster	Biomechanical Models for Assessing Injury Risks in Mining	Fri., 5:30 – 6:30	Holiday Inn
Loflin, Amber	Oral	Mental Health Care in Texas	Sat., 4:40 – 5:40	HS223
Logsdon, Joshua	Boe	Western Welfare: The Pauper System in West Texas, 1876 to 1930	Sat., 3:30 – 4:30	HS124
Long, Debra	Poster	Running Towards Humanity: A Look at <i>The Kite Runner</i>	Fri., 5:30 – 6:30	Holiday Inn
Long, Rachel	Boe Winner	Low Level Energy Laser Therapy And Chemotherapy-Induced Peripheral Neuropathy	Sat., 1:45 -- 3:15	Breedlove
MacFie, Joshua	Boe	A Progressive-Response Algorithm for Improving Player Skill in Connect Four	Sat., 4:40 – 5:40	Weidman Ctr
Martin, Kami	Boe	Inside the Mind of a Predator: an Examination of Neuroscience and Violent Behavior	Sat., 3:30 – 4:30	HS124
Martin, Lauren	Oral	Orestia	Sat., 5:50 – 6:50	HS227
Martinez, Ana	Poster	Los Sobrevivientes: Four Pillars of the First Tejano Community in Texas	Fri., 5:30 – 6:30	Holiday Inn
Martinez, Maria	Poster	Enhanced Passive Surveillance as a Tool to Evaluate Human Asthma and Bovine Respiratory Syndrome	Fri., 5:30 – 6:30	Holiday Inn
Matthew, Joshua	Oral	Masculine Rhetoric in an Indian-American Protestant Church	Sat., 3:30 – 4:30	HS321
McGuire, Joshua	Poster	Hofmeister Effects on the Structure and Fluorescence of Green Fluorescent Protein	Fri., 5:30 – 6:30	Holiday Inn
Mendoza, Miranda	Poster	Four Paradigms of Christian Architecture	Fri., 5:30 – 6:30	Holiday Inn
Merts, Stephanie	Oral	Female Superheroes: Empowerment...or is it?	Sat., 3:30 – 4:30	HS326
Mikulec, Hayden	Poster	Chemical Composition Analysis of Coral Mucus	Fri., 5:30 – 6:30	Holiday Inn
Miles, Holly	Oral	Birth and Rebirth: A Comparison of the Protagonists in the Works of María Luisa Bombal	Sat., 5:50 – 6:50	HS227
Moron, Adriana	Poster	The Tissue Bell Mystery	Fri., 5:30 – 6:30	Holiday Inn
Morrison, Clinton	Boe	The Dangers of Designer Babies through a Literary Looking Glass	Sat., 3:30 – 4:30	HS124
Moss, Sabrina	Poster	Adolf Hitler and Lord Voldemort: An Uncanny Resemblance	Fri., 5:30 – 6:30	Holiday Inn
Motl, Sean	Boe Winner	Memorials Without Memories	Sat., 1:45 -- 3:15	Breedlove
Nester, Hannah	Boe	Heaven Sent: A Comparison of the Prophet Muhammad and the Twelfth Imam	Sat., 5:50 – 6:50	Weidman Ctr
Nguyen, Tam	Oral	The Mathematics of Computed Tomography	Sat., 5:50 – 6:50	HS124
Nichols, Caleb	Oral	The Sigmoid Curve in Organizations and Leadership	Sat., 4:40 – 5:40	HS326
Odum, Eric	Oral	Connecting Narcotics Anonymous Key Chains to the OKC National Memorial Fence	Sat., 5:50 – 6:50	HS318
Parrado, Silvia	Poster	Abercrombie & Fitch or American Eagle Outfitters? Using Financial Accounting to Make Smart Investment Decisions	Fri., 5:30 – 6:30	Holiday Inn

<b>Student Name</b>	<b>Type</b>	<b>Presentation Title</b>	<b>Date/Time</b>	<b>Room</b>
Partee, Elyse	Boe	Warrior Queens: The Evolution of a Feminine Celtic Faith	Sat., 5:50 – 6:50	Weidman Ctr
Pedraza, Ricardo	Poster	Overexpression of the Novel Gene CIA7 in Chlamydomonas Reinhardtii	Fri., 5:30 – 6:30	Holiday Inn
Phan, Eugenia	Oral	Sugar: Has Society's Sweet Tooth Turned into an Epidemic?	Sat., 5:50 – 6:50	HS222
Porras, Jessica	Oral	Dialectical Differences in the Spanish Language	Sat., 3:30 – 4:30	HS223
Porter, Molly	Oral	Tennyson's "Ulysses": An Elegiac Contrast of Ancient and Modern	Sat., 3:30 – 4:30	HS223
Pruitt, Mary	Oral	Bill Hicks, a Satiric Comic With a Philosophical Tinge	Sat., 5:50 – 6:50	HS223
Quatrini, Gabrielle	Oral	The Relationship of Extraversion and Neuroticism to Self-Efficacy in University Students	Sat., 3:30 – 4:30	HS223
Quick, Shannon	Oral	Unorthodox Loopholes – A Look Back Into the Legislative Process of Failed Forward Thinking	Sat., 3:30 – 4:30	HS326
Ramsey, Cadie	Oral	Stories from Vietnam and the Gulf War: A Qualitative Study	Sat., 3:30 – 4:30	HS321
Ratzlaff, Hannah	Oral	The Flesh of the Soul	Sat., 5:50 – 6:50	HS227
Raub, McKenzie	Oral	Alcibiades: The Greek Chameleon	Sat., 3:30 – 4:30	HS223
Reno, Emily	Boe	Curcumin's Curing and Prevention Abilities	Sat., 3:30 – 4:30	Weidman Ctr
Reynolds, Tyler	Oral	Film on Wright Patman	Sat., 4:40 – 5:40	HS318
Rivas, Andrea	Poster	The Stylistic Influences on Gustav Moreau and His Innovations	Fri., 5:30 – 6:30	Holiday Inn
Rodriguez, Amanda	Oral	The Fall of Chivalry: The Impact of Romantic Literary Elements on European Society	Sat., 3:30 – 4:30	HS222
Rohaizad, Firdaous	Oral	Exploring American History: The Trail of Tears 1830	Sat., 3:30 – 4:30	HS318
Rohaizad, Khansa	Poster	James Town, Virginia	Fri., 5:30 – 6:30	Holiday Inn
Roland, Matthew	Poster	If You Book it, They Should Come: A Market Study for the Hallie Brown Ford Fine Arts Center	Fri., 5:30 – 6:30	Holiday Inn
Saenz, Ashley	Oral	A Fate Worse Than Death: The History of Anesthesia in Surgical Procedures	Sat., 4:40 – 5:40	HS222
Schrader, Brandon	Poster	The Risks of a Growing China	Fri., 5:30 – 6:30	Holiday Inn
Schuldt, Lauren	Oral	Echoes of Victorian Poetry in Modern Punk Rock Music	Sat., 5:50 – 6:50	HS326
Secrease, Tabatha	Oral	Looking at Design from a Different Perspective: A View from the Architectural World	Sat., 3:30 – 4:30	HS318
Selph, Jessie	Boe Winner	The Female Proletariat: Marxism in <i>Moulin Rouge!</i>	Sat., 1:45 -- 3:15	Breedlove
Serio, Tara	Poster	A Survey in the Devil's River for Two Threatened Species of <i>Eurycea</i> Salamander	Fri., 5:30 – 6:30	Holiday Inn
Serrano, Ignis	Poster	Social Responsibility: Changing the Game of Business	Fri., 5:30 – 6:30	Holiday Inn
Sherman, Julianna	Oral	Freshman Research and Breast Cancer	Sat., 3:30 – 4:30	HS326

<b>Student Name</b>	<b>Type</b>	<b>Presentation Title</b>	<b>Date/Time</b>	<b>Room</b>
Smith, Analiese	Boe Winner	Lethal Weaponry: Examining the Development and Use of Chemical Warfare	Sat., 1:45 -- 3:15	Breedlove
Smith, Hannah	Oral	A Crumbling Nation Mended Together	Sat., 4:40 – 5:40	HS124
Smithart, Claudia	Boe	The Trick to Happily Ever After: Egalitarian Beliefs and Happy Marriages	Sat., 4:40 – 5:40	Weidman Ctr
Stanton, Emily	Oral	The Spark to a Flame: A Resurgence of Dystopian Novels	Sat., 5:50 – 6:50	HS223
Staskus, Morgan	Poster	Political Symbolism in Seuss	Fri., 5:30 – 6:30	Holiday Inn
Sweet, Vanessa	Oral	Hyperrealism in Miller's <i>Death of a Salesman</i>	Sat., 5:50 – 6:50	HS326
Timberlake, Kara	Oral	The Reality of Reality Television	Sat., 5:50 – 6:50	HS326
Tomme, Amy	Oral	Retaining a Personal Moral Code in the Face of Extreme Crisis	Sat., 5:50 – 6:50	HS227
Tongkhuya, Sirima	Oral	Twilight Zone and Bert Williams: The Underlying Mask and Development of Aesthetic Theory	Sat., 3:30 – 4:30	HS318
Tran, Christina	Oral	Male – tall, strong, and built . . . Going once, twice, SOLD!	Sat., 3:30 – 4:30	HS222
Wadsack, Josiah	Oral	The Eucharistic Debate Prior to the Council of Trent	Sat., 4:40 – 5:40	HS222
Whipple, Taylor	Oral	Captain Pallet vs. Dr. Aüto Isem: Art Changes Thinking	Sat., 5:50 – 6:50	HS223
White, Brittany	Oral	Interpretations of Christianity during the Crusades	Sat., 5:50 – 6:50	HS223
Wilson, Derek	Poster	The Basic Manipulation of Statistics by the Corporate World	Fri., 5:30 – 6:30	Holiday Inn
Wilson, Molly	Oral	The Pressure is On: Glaucoma and the Crisis of Blindness	Sat., 3:30 – 4:30	HS321
Wright, Brittany	Oral	Sex Sells: A Study of Sex Appeal and Social Economics	Sat., 3:30 – 4:30	HS326
Yepez, Armando	Poster	Ignorance and Nativism in Contemporary America	Fri., 5:30 – 6:30	Holiday Inn
Zharmagambetova, Kuraly	Oral	The Education System in the Russian Federation	Sat., 3:30 – 4:30	HS222

# Boe Awardee Presentations

Breedlove Auditorium  
Saturday 1:45 – 3:15 p.m.

Kayleah Cumpian	“Wright Patman: Twentieth-Century Populist”
Janet Flores	“Surveying Mueschke Cemetery: A Community Preservation Project Led by Applied Geomatics”
Rachel Long	“Low Level Energy Laser Therapy and Chemotherapy-Induced Peripheral Neuropathy”
Sean Motl	“Memorials Without Memories”
Jessie Selph	“The Female Proletariat: Marxism in <i>Moulin Rouge!</i> ”
Analiiese Smith	“Lethal Weaponry: Examining the Development and Use of Chemical Warfare”

# Saturday, 3:30 – 4:30 p.m.

Weidman Center	Sarah Burnett	I am Going to the Chapel, and I am Going to Preserve History: Uncovering Hidden Truths and Myths about Cedar Bayou United Methodist Church
	Elyse Coleman	Texans Loved the Railroads
	Emily Reno	Curcumin's Curing and Prevention Abilities
	Amanda Estep, Megan Wood	Dance Performance: "Fighting Life"
HS124	Brandyn Hinnrichs	Effects of a Professional Sports Lockout on a Regional Economy
	Kami Martin	Inside the Mind of a Predator: an Examination of Neuroscience and Violent Behavior
	Clinton Morrison, Jr.	The Dangers of Designer Babies through a Literary Looking Glass
	Joshua Logsdon	Western Welfare: The Pauper System in West Texas, 1876 to 1930
HS222	Christina Tran	Male – tall, strong, and built . . . Going once, twice, SOLD!
	Kuraly Zharmagambetova	The Education System in the Russian Federation
	Domanique Johnson	Where Do They Belong?
	Amanda Rodriguez	The Fall of Chivalry: The Impact of Romantic Literary Elements on European Society
HS223	Jessica Porras	Dialectical Differences in the Spanish Language
	Molly Porter	Tennyson's "Ulysses": An Elegiac Contrast of Ancient and Modern
	Gabrielle Quatrini	The Relationship of Extraversion and Neuroticism to Self-Efficacy in University Students
	McKenzie Raub	Alcibiades: The Greek Chameleon
HS227	Nicholas Gonzales	Digital Citizens: Proof that Social Media Creates Social Capital
	Joseph Hadwal	The Alchemist and the Playwright: Ben Jonson, a Shakespearean Rival
	Addison Gribbin	The Dualistic Nature of the Contemporary Congress
HS318	Sirima Tongkhuya	Twilight Zone and Bert Williams: The Underlying Mask and Development of Aesthetic Theory
	Hannah Covington	A Complementary Convergence: The Relationship Between Science and Literary Criticism
	Firdaous Rohaizad	Exploring American History: The Trail of Tears 1830
	Tabatha Secrease	Looking at Design from a Different Perspective: A View from the Architectural World
HS321	Molly Wilson	The Pressure is On: Glaucoma and the Crisis of Blindness
	Cadie Ramsey	Stories from Vietnam and the Gulf War: A Qualitative Study
	Joshua Matthew	Masculine Rhetoric in an Indian-American Protestant Church
HS325	Andrea Almendarez	Research Collaboration and Scientists' Publication Productivity: Do Asymmetry or Symmetry of Collaborative Relationships Matter?
	Brendan Campagna	In With the Old, In With the New
	Jessica Darnell	A Blazing Vision: How Science, Literature, and the Future Coalesce in Ray Bradbury's <i>Fahrenheit 451</i>
	Conner Flansburg	The Quantum Revolution
HS326	Brittany Wright	Sex Sells: A Study of Sex Appeal and Social Economics
	Julianna Sherman	Freshman Research and Breast Cancer
	Stephanie Merts	Female Superheroes: Empowerment...or is it?
	Shannon Quick	Unorthodox Loopholes – A Look Back Into the Legislative Process of Failed Forward Thinking

# Saturday, 4:40 – 5:40 p.m.

Weidman Center	Alley Agee	Oklahoma's Energy Discourse: An Ecofeminist Rhetorical Analysis
	Claudia Smithart	The Trick to Happily Ever After: Egalitarian Beliefs and Happy Marriages
	Joshua MacFie	A Progressive-Response Algorithm for Improving Player Skill in Connect Four
	Laken Emerson	Flute Performance
HS124	Bailie Berner	Debunking the Myth: Defending the Missouri Public Defender Program
	Tara Cobler	Why is the Sky Gray?
	Hannah Smith	A Crumbling Nation Mended Together
	Westin Brown	Jacob Burckhardt and the Renaissance
HS222	Ashley Saenz	A Fate Worse Than Death: The History of Anesthesia in Surgical Procedures
	Josiah Wadsack	The Eucharistic Debate Prior to the Council of Trent
	Touchstone Honors Program	The Touchstone Honors Program
HS223	Candace Boehm	An Exegetical Overview of Anorexia Nervosa
	Selene Dominguez	Modern Day Slavery: A Closer Look at Human Trafficking
	Darnelle Hummel	Leadership Uncovered
	Amber Loflin	Mental Health Care in Texas
HS227	Jonathan Holsapple	The Oppression of Gola
	Haylie Jones	Mental Illness & Film
	Blake Barnett	An Analysis of Satan's Devolution in <i>Paradise Lost</i> : The Transformation of a Byronic Hero
	Claire Ferguson	In Defense of <i>Lolita</i>
HS318	Asad Akhter	A Novel Fabrication of Carbon Nanotube Arrays
	Elizabeth Donegan	A Study of Healthy Whole Grain Breads in Grocery Stores
	Victoria Jensen	Shakespeare's Jurisdiction: Citations of the Bard in American Judicial Opinions
	Tyler Reynolds	Film on Wright Patman
HS321	Cassandra Hewett	Finders Keepers Success
	Jesse Latimer	The Artistry of Piano Performance: A Study in Motion-Capture Biomechanics and Piano Pedagogy
	Misty Jackson	The Puritan Myth: False Stereotypes and Unrecognized Accomplishments
	Maxwell Kennady	Examining the Use of Knowledge Management Technology by a Small Nonprofit to Attain Organizational Goals
HS326	Elissa Branum	Incessant Injustice
	Natalie Cluck	The Computer Inside Your Head
	Abigail Ferguson	Communication in End-of-Life Care: A Nurse's Perception
	Caleb Nichols	The Sigmoid Curve in Organizations and Leadership

5:50 – 6:50 p.m.

Weidman Center	Hannah Nester	Heaven Sent: A Comparison of the Prophet Muhammad and the Twelfth Imam
	Elyse Partee	Warrior Queens: The Evolution of a Feminine Celtic Faith
	Jonathan Henderson	Stepping From the Shoulders of a Giant: An Examination into Aristotle's Separation From Platonic Thought
	Deanna Gardner Rosie Hallaway	How to Make Your Dragon (video)
HS124	Jennifer deBie	Exploring Scientific Morality Using Narrative Fiction
	Audrey Flewellen	Social Media Impact on Modern Business
	Monika Jordan	The Mueschke Cemetery: The Impact of Preventative Care on Child and Infant Mortality
	Tam Nguyen	The Mathematics of Computed Tomography
HS222	Amber Chadwick	Lynching: A Dark Time in Texas History
	Laken Emerson	Thinkers and Their Thinks: Socrates, Solomon, and Seuss
	Cheyenne Kelley	Changing Lives with Music: A Perspective on Music Therapy and Mental Illness
	Eugenia Phan	Sugar: Has Society's Sweet Tooth Turned into an Epidemic?
HS223	Taylor Whipple	Captain Pallet vs. Dr. Aüto Isem: Art Changes Thinking
	Mary Pruitt	Bill Hicks, a Satiric Comic With a Philosophical Tinge
	Brittany White	Interpretations of Christianity during the Crusades
	Emily Stanton	The Spark to a Flame: A Resurgence of Dystopian Novels
HS227	Lauren Martin	Orestia
	Holly Miles	Birth and Rebirth: A Comparison of the Protagonists in the Works of María Luisa Bombal
	Amy Tommey	Retaining a Personal Moral Code in the Face of Extreme Crisis
	Hannah Ratzlaff	The Flesh of the Soul
HS318	Molly Carroll	The Dictator Complex
	Candy Cote	Causes and Effects of the 22Q11 Deletion Syndrome
	Duncan Knox	Experiential Learning: Exploring the Multiple Dimensions of the Transatlantic Slave Trade through the US-UK Summer Fulbright Program
	Eric Odum	Connecting Narcotics Anonymous Key Chains to the OKC National Memorial Fence
HS321	Leah Burt	Historical Threads
	Abigail Dew	The Terrors of Technology: A Future Bereft of Books
	Misty Jackson	Recognizing the Role of <i>The Body of Liberties</i> in American Government
HS326	Lauren Schuldt	Echoes of Victorian Poetry in Modern Punk Rock Music
	Vanessa Sweet	Hyperrealism in Miller's <i>Death of a Salesman</i>
	Kara Timberlake	The Reality of Reality Television
	Adolfo Carrillo	John Henry Faulk: A Symbol for Constitutional Rights



**Poster Presentations – Holiday Inn  
Friday, March 28, 2014 5:30 – 6:30**

**Student:** Arrash Allahyar

**Title:** “Quantifying Live *Lactobacillus* GG in Commercial Probiotic Supplements”

**School:** Oklahoma City University

**Abstract:** The human digestive tract contains a diverse microbial ecosystem, including both mutualistic and pathogenic bacteria. Our research focused on quantifying the amount of viable *Lactobacillus* GG in commercial probiotic products (Culturelle®). The bacteria were cultured in neutral and acidic conditions to imitate the human digestive tract. The bacterial numbers were consistently lower than advertised values; however, the differences were minor. Therefore, Culturelle® probiotic supplements were shown to have the bacterial quantities necessary to promote positive digestive and immune health. The comparative study between products’ marketed and actual bacterial cell count is important because the FDA does not regulate these products.

**Student:** Keri Baker

**Title:** “Civic Engagement: A Healthier You, A Healthier Community”

**School:** Lone Star College - Montgomery

**Abstract:** This presentation examines a number of psychological, health, social, educational, and generational benefits that can be derived through civic engagement, and how these can lead engaged citizens to a happier, more prosperous life. It will examine research that suggests when involved civically, people are less likely to experience a present or future onset of psychological and physical health illnesses. Additionally, it will look at how certain types of engagement afford the opportunity to learn and apply new skills. Finally, the project examines a number of societal and generational benefits that result from civic engagement that build unity within the community and creates a social support system for its residents.

**Student:** J. C. Kiddo Campbell

**Title:** “Comparative Nesting Ecology of Scaled and Gambel’s Quail in the Trans Pecos”

**School:** Sul Ross State University

**Abstract:** To better understand quail population dynamics, we studied the nesting ecology of scaled quail (*Callipepla squamata*) and Gambel’s quail (*Callipepla gambelii*) in the Trans Pecos region of Texas. Over a two-year period, we captured and equipped 21 adult female scaled quail and 31 female Gambel’s quail with radio telemetry collars. We used the radio collars to collect GPS points and to assist in finding nest sites during the summer months and located 14 scaled quail nests and 12 Gambel’s nests. We used ArcGIS 10.1 to analyze nesting locations to ascertain if the scaled and Gambel’s quail choose a specific ecological site (soil types, vegetation type, aspect, and slope), and to determine preferential use of habitat as well as differences between the two species.

**Student:** Ashlea Chapman

**Title:** “The Mathematics of Music”

**School:** Emporia State University

**Abstract:** Robert Fludd lived in the 1600’s and studied the ratios in music, math, and the human body. In my paper I discuss one engraving of Fludd’s that depicts many different relationships between math and music. My paper discusses the many features of this engraving, from Pythagoras to ancient Greek mythology, and even the golden ratio that is better known as the Fibonacci sequence.

**Student:** Kyle Clawson

**Title:** "The University of Texas at Tyler Alumni Relations House"

**School:** University of Texas at Tyler

**Abstract:** This project describes the learning experience and design considerations of a potential Alumni Relations house on the University of Texas at Tyler campus, and provides examples of design processes and the order of thinking required to visualize this project from start to finish. The students' logic is observed and the path taken to tackle problems is shown.

**Student:** Oscar Cortez, Jr.

**Title:** "Cellobiase Activities in Fungal Samples"

**School:** Texas A & M International University

**Abstract:** This study measures cellobiase activities in eight different fungal samples. Fungal samples that have shown cellobiase activity can be important for use in the lab in demonstrating the importance of cellobiases' role in the production of ethanol. However, unless a method of producing fungal samples at a commercially acceptable level is developed, cellulosic ethanol production by way of fungal cellobiase is not realistic at this point in time. This experimentation should serve as a baseline for entrepreneurial scientists looking to determine other sources of fuel.

**Student:** Aimee Denham

**Title:** "The Effect of *Bt* Crops and their Subsequent Formation of Cry Proteins on the Surrounding Environment"

**School:** Angelo State University

**Abstract:** Direct negative effects on the abiotic and biotic environment following the usage of *Bt* crops were analyzed in multiple carefully selected studies. The quick degradation of the Cry1Ab protein in multiple soil conditions as well as the unaffected carbon and nitrogen levels in the soil over several crop seasons supports the conclusion that *Bt* crops are harmless to the abiotic environment. Non-target organisms were not shown to be affected by the Cry1Ab proteins found in *Bt* transgenic crops which supports the conclusion that *Bt* crops are non-deleterious to the biotic environment.

**Student:** Sean Dougherty

**Title:** "An Internship with the Houston Mayor's Reelection Campaign"

**School:** Lone Star College – Montgomery

**Abstract:** I will describe my internship experience with the reelection campaign for Houston's mayor and evaluate the campaign's strategy in light of academic political science research.

**Student:** Amy Feldkamp

**Title:** "Allergies: How Your Body Reacts to the World Around You"

**School:** Emporia State University

**Abstract:** This is an issue that affects many people, but have allergies always been this bad or has the change in our lifestyles had some effect? Learn about the discovery of allergies and the basic biology behind it.

**Student:** Lauren Fennimore

**Title:** "The Association Between Literacy Level and Final Grades of College Students"

**School:** Northeast Texas Community College

**Abstract:** The ability to read and comprehend has been decreasing for over twenty years as determined by a study conducted at Northeast Texas Community College. The following questions can then be posed: is the inability to read hindering success in higher education? Can reading scores predict final grades in classes? Is there a correlation between a student's reading grade and their final grade in a course?

**Student:** Jason Floyd

**Title:** "The Deification of Man"

**School:** Tarrant County College Northwest Campus

**Abstract:** My poster will discuss the idea of apotheosis, or deification, of man. The term 'apotheosis', as I use it, refers to the transformation of a human being into a god (with a lower 'g'). Throughout the world and throughout the ages there is a variety of religious beliefs and this poster will show that a considerable number of them have some belief related to deification. My research started with my upbringing as a member of the Church of Jesus Christ of Latter-day Saints and has led me to study the subject in: the Bible, early Christian writings, books written by my church leaders, and a few other sources. This poster will utilize these sources to inform the audience on the subject of apotheosis.

**Student:** Ashley Garcia

**Title:** "Triclosan Resistance of Onion Rhizobacteria"

**School:** Texas A & M International University

**Abstract:** Triclosan, an antimicrobial found in personal care products, is also found in freshwater systems used for crop irrigation. Over time, Triclosan can accumulate in soils, potentially affecting plant growth-promoting bacteria. The objective of this study was to evaluate Triclosan tolerance of isolated onion rhizobacteria exposed to repeated applications of Triclosan.

**Student:** Alexander Gremillion

**Title:** "Predator Induced Morphological Mutagenesis"

**School:** McLennan Community College

**Abstract:** The goal of this experiment is to demonstrate that tadpoles have the ability to undergo phenotypic plasticity in the presence of a predator, but not necessarily the predator's chemical cues. This will be measured with still photography. It has been shown that tadpoles undergo phenotypic plasticity due to several factors, but their individual importance, and the full range of factors is not known. This research is significant because it will elucidate another factor to which tadpoles undergo phenotypic changes in response to cues.

**Student:** Noah Griffin

**Title:** "People and Prokaryotes: A Look at Popular Perceptions about Bacteria"

**School:** Northeast Texas Community College

**Abstract:** I explored the behavioral patterns and conceptions that college students have toward bacteria. I conducted a survey at Northeast Texas Community College in Mt. Pleasant, Texas, which investigated whether or not students had consistent behavior for all circumstances in which they may encounter bacteria. The survey also searched for possible misconceptions that students may have toward bacteria.

**Student:** Sarah Harrington

**Title:** "The Beginning of Music Therapy in Ancient Greece: How the Ancient Greeks Used Music in Healing"

**School:** Emporia State University

**Abstract:** The Greeks believed that music had ethos, or character, and that the ethos of music influenced humans' ethos as well. Because of this, the Greeks used music extensively as a healing and therapeutic device, for everything from physical ailments to behavior and emotions. Through contributions from Pythagoras, Aristotle, Plato, and others, the Greeks realized that mathematical relationships governed the cosmos and the soul, and they devised the Modal Glyph system to help identify which musical modes to use for ailments. The modern day study of music therapy began in ancient Greece due to the extensive use of music in their culture and everyday life and their prominent music-focused philosophers, and bled through to the present through the fall of ancient Greece and Rome.

**Student:** Caira Heinze

**Title:** "Honor Killings: The Need for More Women's Rights in Jordan"

**School:** Texas Woman's University

**Abstract:** This research attempts to consolidate the findings of previous studies to determine if the struggle to achieve more social rights for women in Jordan is becoming complacent. Theoretically meaningful predictors are examined: The number of women's groups in Jordan, the statistics of females imprisoned solely to protect them from being killed for dishonoring their family, and the number of articles or penal codes that are detrimental to women. Findings show a lack of parliament's support for social rights for women, and an increased amount of support and action to secure positions for women in leadership roles. However, the growth rate and implementation of programs to encourage economic and social independence for Jordanian women has failed to expand.

**Student:** Brianna Howard

**Title:** "The Effects of a Three-Day Juice Fast on Body Composition and Mood in a 19 Year-Old Female: A Case Study"

**School:** McLennan Community College

**Abstract:** The documentary "Fat, Sick, & Nearly Dead" depicts an overweight man who has tried everything from medicine to acupuncture to get rid of a chronic disease. When nothing else seems to work, he decides to go on a juice fast. He loses weight and his disease is cured after fasting for sixty days. Using herself as the subject, this student observed both the pros and cons of a 3-day juice fast through journaling and objective testing.

**Student:** Jazmin Humphreys

**Title:** "*Pseudomonas aeruginosa* Mucoidy and Fluorescent Pigment Production when Grown in Steroid Homomone-Supplemented Medium"

**School:** Angelo State University

**Abstract:** The bacterium *Pseudomonas aeruginosa* is often a lethal infectious agent when it colonizes the lungs of children having the genetic disease cystic fibrosis (CF). For unclear reasons, young girls are affected at an earlier age and more severely than boys. Recently a report in the *New England Journal of Medicine* concluded that estrogen was associated with severity of infection in CF patients. This may explain the differences in male and female responses to the infectious agent. The present study investigates the role of hormones, such as estrogen and testosterone, in altering mucoidy and fluorescent pigment production in a various media.

**Student:** Nick Johnson

**Title:** "The Norse: Fighters and Explorers"

**School:** Tulsa Community College

**Abstract:** In the last fifty years convincing evidence has emerged to confirm what was thought to be apocryphal Viking sagas that placed Leif Erickson as the first European to discover North America. The aim of this poster presentation is to give a historical perspective of the claim that Vikings visited Pre-Columbian North America, founded colonies, and established trade, as well as discuss recent archeological evidence that support these claims.

**Student:** Kate Lewis

**Title:** "Biomechanical Models for Assessing Injury Risks in Mining"

**School:** Texas Tech University

**Abstract:** The objective of this project is to develop a mechanical model to assess injury risks in mining. The first step is to collect experiment data for validating the simulation model. Three-dimensional kinematics, kinetic, and electromyographic data were collected. The current assumption is that all kinematic parameters and a portion of the kinetics applied to the body are given through experiment and the generalized moments of all joints which cause the body movement will be calculated through the inverse dynamics in joint space in OpenSim. Using all net reaction forces acting at the trunk, the spinal compressive and shear forces between L5/S1 will be calculated and compared with results from previously developed trunk models.

**Student:** Debra Long

**Title:** "Running Towards Humanity: A Look at *The Kite Runner*"

**School:** Lee College

**Abstract:** Amir, the protagonist in *The Kite Runner*, a novel by Khaled Hosseini, clearly demonstrates how class division makes elusive the ability to value the worth of others. Only by breaking free from class distinction can one come to a greater understanding of not only one's own humanity but the humanity of others as well.

**Student:** Ana Martinez

**Title:** "Los Sobrevivientes: Four Pillars of the First Tejano Community in Texas"

**School:** Northeast Texas Community College

**Abstract:** Historians of Texas and of Hispanics have had a tendency to diminish the presence of Tejanos until their emergence as a minority in the twentieth century. Such minimization is misguided and one way to correct the balance is to note some of the Tejano leaders who endured *after* the revolution from Mexico, and played fundamental roles in the new republic, as well as during the period of early Texas statehood. Unlike William Travis, Davy Crockett, and thousands of Confederate Texans, they endured the conflicts, and warfare that plagued the mid-century. Moreover they attained positions of influence, and commemorations uncommon to members of minorities today.

**Student:** Maria Andrea Martinez

**Title:** "Enhanced Passive Surveillance as a Tool to Evaluate Human Asthma and Bovine Respiratory Syndrome"

**School:** Texas A & M University

**Abstract:** The Enhanced Passive Surveillance program (EPS) is a project at the National Center for Foreign Animal and Zoonotic Disease Defense (FAZD Center) funded by the United States Department of Homeland Security, Science and Technology Directorate (DHS S&T) that collects syndromic animal health data from cattle and small ruminants, reported by veterinarians, livestock markets, diagnostic laboratories and wildlife in Texas and New Mexico. In this research project, the EPS system was utilized along with data from the Department of State Health Services (DSHS) for Texas to compare trends in bovine respiratory syndromes and human asthma hospitalizations.

**Student:** Joshua McGuire

**Title:** "Hofmeister Effects on the Structure and Fluorescence of Green Fluorescent Protein"

**School:** Angelo State University

**Abstract:** The Hofmeister series describes a set of cations and anions that have been arranged in order of their ability to affect the physical properties of solutions and proteins. Salts in the Hofmeister series will be used to investigate the structural properties of Green Fluorescent Protein.

**Student:** Miranda Mendoza

**Title:** "Four Paradigms of Christian Architecture"

**School:** Northeast Texas Community College

**Abstract:** My poster offers what I believe are the four basic paradigms of architectural meaning in Western Christianity through the ages. I believe my overview provides a clear summary, which clarifies common misinterpretations.

**Student:** Hayden Mikulec

**Title:** "Chemical Composition Analysis of Coral Mucus"

**School:** McLennan Community College

**Abstract:** Samples of coral mucus were taken by the Marine Research group at McLennan College in Roatan, Honduras. Using these samples, this research focuses on the use of High-Pressure Liquid Chromatography and Ultraviolet-Visible Spectroscopy as methods for collecting empirical data about organic constituents. The main focus of the experiment will be a) to analyze potential findings of volatile organic compounds, and b) to find molecular weight.

**Student:** Adriana Moron

**Title:** "The Tissue Bell Mystery"

**School:** Lone Star College - Montgomery

**Abstract:** Calculus demonstrates how the antiderivative (integration) of a function is used to compute the area under a curve. Going farther in the studies of calculus, it demonstrates that integration can also be used to find the volume of three dimensional objects created by revolving the graph of a two dimensional shape around a specific coordinate axes.

**Student:** Sarina Moss

**Title:** "Adolf Hitler and Lord Voldemort: An Uncanny Resemblance"

**School:** Tarrant County College Northwest Campus

**Abstract:** The purpose of this project is to explore and evaluate the allegorical connections between the events of World War II and the Harry Potter franchise. Rowling admittedly drew inspiration from Hitler, yet developed her character to accommodate her fantasy world.

**Student:** Silvia Parrado

**Title:** "Abercrombie & Fitch or American Eagle Outfitters? Using Financial Accounting to Make Smart Investment Decisions"

**School:** Lone Star College – Montgomery

**Abstract:** Doing a ratio analysis and exploring the foundations of this approach, I compare two companies: Abercrombie & Fitch and American Eagle Outfitters. With this analysis, the audience will see the process of making an investment in real-life and specifics of the information the investor needs to look at before making a decision.

**Student:** Ricardo Pedraza, Jr.

**Title:** "Overexpression of the novel gene *CIA7* in *Chlamydomonas reinhardtii*"

**School:** Texas A & M International University

**Abstract:** *C. reinhardtii* is an excellent model organism that has often been used in studies of heavy metal tolerance. By cloning and overexpressing *CIA7* in *C. reinhardtii*, it can be determined if *CIA7* is critical in *C. reinhardtii*'s metal toxicity tolerance. If a link between this protein and heavy metal tolerance is identified, this could potentially lay the foundation for its use in heavy metal pollution.

**Student:** Andrea Rivas

**Title:** "The Stylistic Influences on Gustav Moreau and His Innovations"

**School:** Lone Star College – Montgomery

**Abstract:** Gustav Moreau was born in Paris on the 6th of April 1826, and is a representative of the Symbolist movement of the 19<sup>th</sup> century in art. This paper addresses Moreau's use of the visual language and how his style evolved over time.

**Student:** Khansa Rohaizad

**Title:** "James Town, Virginia"

**School:** Tarrant County College - Southeast

**Abstract:** In 1607, English colonists established the first settlement in Virginia called James Town. At first the English and the Indians were willing to coexist, and the Indians even accepted the English colonist leader openly through a ceremony witnessed by many. As the colonists' tactics changed from establishment to survival, a series of adversities and war arose between the Indians and the colonists. The chief's daughter Pocahontas and an English Colonist leader, John Rolfe, fell in love, and a peace treaty was established through this relationship. Their marriage signified the new political relationship between the English and the Indians.

**Student:** Matthew Roland

**Title:** "If You Book it, They Should Come: A Market Study for the Hallie Brown Ford Fine Arts Center"

**School:** East Central University

**Abstract:** Using information gathered from my survey as well as the SPSS database, I will be able to make meaningful suggestions to my schools Fine Arts Center on what students want to see and how to increase attendance at events.

**Student:** Brandon Schrader

**Title:** "The Risks of a Growing China"

**School:** Emporia State University

**Abstract:** Since the 1950's, the United States has constantly improved and remained ahead of the world; on the other hand, a contender has begun to rise as another world superpower--China. The future should not hold fear from a rising China because the hopes of economic interdependence, historical and current policy, and more aggressive U.S. policy dictate that China is not the aggressor, but a benevolent dragon.

**Student:** Tara Serio

**Title:** "A Survey in the Devil's River for Two Threatened Species of *Eurycea* Salamander"

**School:** Angelo State University

**Abstract:** Preliminary studies at the Southern Unit of the Devil's River State Natural Area near Del Rio, Texas, suggest that two undescribed *Eurycea* species may inhabit this westernmost area of their projected habitat range, but no prior research has investigated their presence. In the near future, 18,000 acres of land on the river that was once privately owned will be transformed into a state park. Following an effort to trap at multiple sites where underground springs feed into the river system, I am now using a relatively new technique of extracting DNA from water to demonstrate these species' presence. This confirmation of the westernmost occurrence of these species will open up possible projects to increase knowledge of their biology and seasonality. Additionally, the results of this study will contribute to the management plan of park systems to maintain and improve populations of *Eurycea* in the Devil's River area.

**Student:** Ignis Serrano

**Title:** "Social Responsibility: Changing the Game of Business"

**School:** Tarrant County College Northwest Campus

**Abstract:** Social media sites like YouTube, Instagram, Pinterest, Facebook and Twitter have been used as platforms for social responsibility trends. These activists are aware that they have the power to refrain from purchasing products and services that harm other living creatures, jeopardize their health, and go against their political views. As a result of these new ethical responsibilities, new business markets have sprung up to cater to the needs of vegetarians, vegans, cruelty-free enthusiasts, and socially responsible shoppers. This presentation will explore how technology is promoting the social responsibility movement that is changing the game of modern business. It will analyze a few internet icons that have made it their mission to expose unfair business practices as well as research from various academic journals.

**Student:** Morgan Staskus

**Title:** "Political Symbolism in Seuss"

**School:** Tarrant County College Northwest Campus

**Abstract:** Theodor Seuss Geisel, commonly known as Dr. Seuss, is one of the most well-known children's authors. Some of his books aren't just filled with fun and silly lines, they are also intertwined with political themes. For my study, I used Seuss' books, biographies, his other works like political cartoons, and other related historical resources as artifacts. I've uncovered political symbolism in these books that other studies I have read haven't discussed. Seuss had a background in making commercials

and he cleverly added symbolism to all sorts of details in his stories. I will document the political themes and symbols in my poster and also show what insight this brings about Seuss himself.

**Student:** Derek Wilson

**Title:** "The Basic Manipulation of Statistics by the Corporate World"

**School:** Emporia State University

**Abstract:** Through this presentation, I hope to educate others on statistical manipulation and its use in the world. I will explain the inner workings of statistical manipulation and why it is done. I intend to do a small study by researching articles with graphs and polls and then asking for the data from the publishers. With the given data, I can use basic statistical equations and processes to determine if the articles had any manipulated results.

**Student:** Armando Yopez

**Title:** "Ignorance and Nativism in Contemporary America"

**School:** Northeast Texas Community College

**Abstract:** Most Americans have a tendency to only focus on the negative aspects of immigration, disregarding whether foreigners come to the United States legally or illegally. From Chinese immigrants bringing special skills to Latin Americans seeking to work hard if only they can escape from corrupt or oppressive nations, immigrants constitute one of the nation's foremost treasures. Immigration makes America unique, and keeps the nation strong.



# Presentation Abstracts

Saturday, 3:30 – 5:50 p.m.

**Students:** Ashley Baker, Jordyn Jarzabski      **Session: 4:40 – 5:40, HS222**

**Faculty co-authors:** Dr. Gretchen Knurr, Dr. Alfred Guy Litton

**Title: “The Touchstone Honors Program”**

**School:** Texas Woman’s University

**Abstract:** The Touchstone Honors Program is an innovative new honors program at Texas Woman’s University specifically designed for transfer and current students. While traditional honors programs generally require a four year commitment with a heavy emphasis on enhanced academics, the Touchstone Program is designed to be completed in four semesters and has a stronger emphasis on professional development through leadership opportunities. This presentation provides information about the program’s formation and implementation. It is intended to generate ideas about how similar programs might be designed at other universities desiring to provide added honors opportunities for transfer students.

**Student:** Alexandria Agee

**Session: 4:40 – 5:40, Weidman Center**

**Title: “Oklahoma’s Energy Discourse: An Ecofeminist Rhetorical Analysis”**

**School:** Oklahoma City University

**Abstract:** Using ecofeminism as a lens, I analyze a specific example of Oklahoma energy discourse, a promotional video used to promote the oil and natural gas industry produced by the Oklahoma Energy Resources Board, showing that there is a patriarchal relationship between men, women, and the environment. This particular video characterizes women as nurturers and the environment as something humans can and should exploit. These characterizations entrench a highly abusive mindset that justifies hierarchy and domination.

**Student:** Asad Akhter

**Session: 4:40 – 5:40, HS318**

**Title: “A Novel Fabrication of Carbon Nanotube Arrays”**

**School:** University of Arkansas at Little Rock

**Abstract:** The unique structure of multiwall carbon nanotubes (MWNTs) along with their electrical properties allow them to be used as conducting or semiconducting elements in nanoscale sensors, transistors and solar cells. In this experiment, electrode arrays of MWNTs were created via a flow coating process in which a glass blade is used to drag a 30 $\mu$ L solution of MWNTs across a stationary glass slide.

**Student:** Andrea Almendarez

**Session: 3:30 – 4:30, HS325**

**Title: “Research Collaboration and Scientists’ Publication Productivity: Do Asymmetry or Symmetry of Collaborative Relationships Matter?”**

**School:** Texas A & M International University

**Abstract:** I examine the impact of three types of research relationships -- symmetrical internal collaboration (SIC; non-supervisory-work relationship), asymmetrical internal collaboration (AIC; supervisory-work relationship), and professional networks -- on the scientific productivity of agricultural scientists in a resource-constrained research system in the Philippines. My results indicate that AIC, specifically that between scientists and doctoral students, leads to higher levels of scientific productivity. These results also carry important implications on advanced science training and science policy, and how we engage scientists in developing countries.

**Student:** Blake Barnett

**Session:** 4:40 – 5:40, HS227

**Title:** "An Analysis of Satan's Devolution in *Paradise Lost*: The Transformation of a Byronic Hero"

**School:** Lone Star College, Tomball

**Abstract:** In Milton's *Paradise Lost*, Satan goes through a full transformation from a Byronic hero leading the fallen army to an evil fiend consumed by hatred as he seeks the downfall of mankind. This devolution from archangel ruined to a monstrous, hideous serpent makes Milton's Satan one of British literature's most fascinating characters.

**Student:** Bailie Berner

**Session:** 4:40 – 5:40, HS124

**Title:** "Debunking the Myth: Defending the Missouri Public Defender Program"

**School:** Park University

**Abstract:** Much like many other Constitutional guarantees, the Sixth Amendment mandated a civil right without detailing how the right should be enforced. The federal government responded to the effective counsel requirement by creating a Federal Public Defender Program. Following the incorporation of the Sixth Amendment to state cases through multiple Supreme Court cases, the Missouri Public Defender Program was created to provide effective counsel to indigent defendants. Since the creation of the Missouri State Public Defender Program (MSPD), members of the community have doubted their effectiveness and cost-efficiency, which has resulted in negative funding decisions by state policy makers. In all reality, the Missouri State Public Defender Program consists of highly qualified, underpaid, overworked attorneys who represent their clients to the best of their ability on a daily basis.

**Student:** Candace Boehm

**Session:** 4:40 – 5:40, HS223

**Title:** "An Exegetical Overview of Anorexia Nervosa"

**School:** McMurry University

**Abstract:** Anorexia Nervosa is a serious and often fatal psychological illness that exerts significant damage on one's over-all wellness, with specific regard to the aspects of spiritual, mental, and physical health. Though it is essentially impossible to determine an exact factor or moment that causes one to develop the anorexic mentality, professionals in the field agree that the condition is the manifestation of an innate desire for control, resulting from an individual's biological, cultural, and experiential conditions.

**Student:** Elissa Branum

**Session:** 4:40 – 5:40, HS326

**Title:** "Incessant Injustice"

**School:** John Brown University

**Abstract:** Social injustice is not a modern malady; rather, abuse of the poor and weak has undercut empires throughout history. Research was undertaken to explore the implications of such social injustice in ancient empires. As research continues to unveil the destruction of the weak throughout history, historians are invited to consider the valuable connections between the injustice of the past and the prejudice of the present.

**Student:** Westin Brown

**Session:** 4:40 – 5:40, HS124

**Title:** "Jacob Burckhardt and the Renaissance"

**School:** Emporia State University

**Abstract:** Jacob Burckhardt, a 19<sup>th</sup> century Swiss historian and professor of early modern history, is known for his interpretation of a period now known as the Renaissance. My research paper will focus on the government/political aspects of life in early modern Europe and how Burckhardt's theory applies to the ruling factions of Renaissance society.

**Student:** Sarah Burnett

**Session:** 3:30 – 4:30, Weidman Center

**Title:** "I am Going to the Chapel, and I am Going to Preserve History: Uncovering Hidden Truths and Myths about Cedar Bayou United Methodist Church"

**School:** Lee College

**Abstract:** Many men and women have left their invaluable imprint on the heart of the Alexander Chapel over the last one hundred and seventy years. Sadly, the majesty of the chapel is a mystery to most due to inadequate record keeping and a lack of preservation. This oversight has caused priceless history to be lost. However, through research of the many men and women who dedicated their lives to the church, the community, and to their faith, I found the Alexander Chapel is a nucleus of rich history. The revelation of history through this arrangement of individual accounts shows the value of the missing records, their place in Texas history, as well as in the history of Cedar Bayou United Methodist Church

**Student:** Leah Burt

**Session:** 5:50 – 6:50, HS321

**Title:** "Historical Threads"

**School:** John Brown University

**Abstract:** Community lore plays an especially strong role in cultural development in the Arkansas Ozarks. Under the guidance of Dr. Jonathan Himes of John Brown University, I performed research in Northwest Arkansas to understand the culture of this area in light of these modern stereotypes of the local people.

**Student:** Brendan Campagna

**Session:** 3:30 – 4:30, HS325

**Title:** "In With the Old, In With the New"

**School:** Oral Roberts University

**Abstract:** Film in general has tremendous impact within contemporary culture, but few movies in history can match the cultural significance of *Star Wars*. *Star Wars* adopted and adapted the ancient art of storytelling while George Lucas revolutionized the film industry by creating for America its own mythology and providing new technology and ideas to be adopted by and adapted to many cultures around the world. This presentation will focus on the adaptation of old art forms and the birth of new art forms that arise as ideas move through time and space.

**Student:** Adolfo Carrillo

**Session:** 5:50 – 6:50, HS326

**Title:** "John Henry Faulk: A Symbol for Constitutional Rights"

**School:** San Jacinto College

**Abstract:** This paper explores the story of CBS Radio personality and Austin, Texas, native John Henry Faulk and his fight against McCarthyism and blacklisting in the 1950s and 1960s. Using primary and secondary sources, this paper tells the story of Faulk's difficult struggle after being labeled a communist. He lost his lucrative radio job and other work even though he prevailed in court over grocer Lawrence Johnson.

**Student:** Molly Carroll

**Session:** 5:50 – 6:50, HS318

**Title:** **The Dictator Complex**

**School:** Saint Louis University

**Abstract:** Themes and underlying purposes of the screenplay's story

**Student:** Amber Chadwick

**Session:** 5:50 – 6:50, HS222

**Title:** "Lynching: A Dark Time in Texas History"

**School:** Tarrant County College - Northwest

**Abstract:** This study will explore the history of lynching in Texas, starting from the beginning of Texas' statehood, and ending at The Civil Rights Act of 1964. After the Reconstruction Era began in 1863, laws such as the 13th, 14th and 15th amendments and the Jim Crow Laws came into play. This study will show the impact that these laws have had on lynchings in Texas until the Civil Rights Act of 1964 and the 24th amendment was passed by the U.S. government, making lynching a federal crime.

**Student:** Natalie Cluck

**Session:** 4:40 – 5:40, HS326

**Title:** "The Computer Inside Your Head"

**School:** San Jacinto College

**Abstract:** The popular theory that human beings contain computers within their heads fabricates a contemporary discipline in the field of psychology termed computational neuroscience. The subject examines the analogy that the brain behaves similarly to a computer.

**Student:** Tara Cobler

**Session:** 4:40 – 5:40, HS124

**Title:** "Why is the Sky Gray?"

**School:** Sam Houston State University

**Abstract:** The sky is not the only limit for James in Ernest J. Gaines' "The Sky Is Gray." In fact, the segregation and discrimination implemented and practiced by White America during the middle of the twentieth century act as limits for James and his family. Gaines presents them as a black American family that is entangled in poverty in Southern Louisiana. He does not portray them as particularly heroic or unique, but instead tells the story with a natural, humanistic tone and voice. As Young describes in his critical essay, "[Gaines] write[s] from a perspective of cultural immersion and in the voices of the folks who created nonwritten narratives of their human experiences in spiritual, gospel, and blues songs". Building upon Gaines' realistic relic that he creates through James' narration, Gaines exemplifies his postmodern technique by colliding two worlds when he further integrates into his writing "a formal 'Mozart' or 'learned' influence".

**Student:** Elyse Coleman

**Session:** 3:30 – 4:30, Weidman Center

**Title:** "Texans Loved the Railroads"

**School:** Northeast Texas Community College

**Abstract:** When running for governor in 1890, the Attorney General of Texas, Jim Hogg charged that the railroads had "coldly raised or lowered with an avaricious hand the schedule of rates upon the traffic of our state." When Hogg was duly elected after making railroad arrogance a central issue, he created probably the most known regulatory agency ever to come out of Texas, the Texas Railroad Commission. As it happened, Hogg's momentous decision to make railroads the object of Texas' regulatory zeal, was good politics.

**Student:** Candy Cote

**Session:** 5:50 – 6:50, HS318

**Title:** "Causes and Effects of the 22Q11 Deletion Syndrome"

**School:** Emporia State University

**Abstract:** The 22q11 deletion is inherited as an autosomal dominant trait or as a *de novo* mutation. It has lots of possible origins which include a balanced translocation, haplo-insufficiency, pseudo gene, mutated genes in the critical region, misalignment of the homologs in meiosis 1, or an inversion loop deletion. Multiple tests are used to detect this deletion including southern blot analysis, normal karyotypes, quantitative analysis, or the fluorescence in situ hybridization (FISH) test.

**Student:** Hannah Covington

**Session:** 3:30 – 4:30, HS318

**Title:** "A Complementary Convergence: The Relationship Between Science and Literary Criticism"

**School:** Oral Roberts University

**Abstract:** In an effort to "quantify" and place a field as subjective as literary studies on the same plane as science, many theorists have attempted to make literature studies more objective. Studying the two in tandem enhances both subjects and highlights the value of a fruitful interdisciplinary dialogue between fields too often considered diametrically opposed.

**Student:** Kayleah Cumpian

**Session:** 1:45 – 3:15, Breedlove Auditorium

**Title:** "Wright Patman: Twentieth-Century Populist"

**School:** Northeast Texas Community College

**Abstract:** Much of American history is innately urban. It seizes on information that came originally from media capitals, and views the political workings of Washington D.C. or the economic decisions of great urban-based corporations as the sum of American history. This bias applies to the long and scattered history of the once popular Populist Party. It is widely accepted that the rural-based populist movement

died with the merging of the democratic and populist parties in the late nineteenth century. But through leaders such as Wright Patman, a fifty-year Texas Congressman (1929-1976), the ideals of populism persisted.

**Student:** Jessica Darnell

**Session:** 3:30 – 4:30, HS325

**Title:** "A Blazing Vision: How Science, Literature, and the Future Coalesce in Ray Bradbury's *Fahrenheit 451*"

**School:** Oral Roberts University

**Abstract:** This paper explores the connections between the scientific and literary aspects of Bradbury's beloved novel, as well as the vision of the future he presents and what it means for modern society. The research draws upon the text itself, essays written by Bradbury on the subject of his novel, and scholarly reviews and essays on the same.

**Student:** Jennifer deBie

**Session:** 5:50 – 6:50, HS124

**Title:** "Exploring Scientific Morality Using Narrative Fiction"

**School:** Angelo State University

**Abstract:** For decades authors have been using narrative fiction to pose political and social questions to their readers. I will examine multiple forms of literature, both book and short story, as a model for ethical questions or commentary, specifically in regards to science.

**Student:** Abigail Dew

**Session:** 5:50 – 6:50, HS321

**Title:** "The Terrors of Technology: A Future Bereft of Books"

**School:** Oral Roberts University

**Abstract:** Ray Bradbury's famed science fiction novel *Fahrenheit 451* is a stunning portrayal of the hideous outcome of pairing the destructive whims of mass culture with technological advancement. *Fahrenheit 451* is not just a science fiction novel but a political treatise proclaiming the virtues of a book centered culture, while polemically attacking a civilization that is swallowed up by visual technology.

**Student:** Selene Dominguez

**Session:** 4:40 – 5:40, HS223

**Title:** "Modern Day Slavery: A Closer Look at Human Trafficking"

**School:** Texas Woman's University

**Abstract:** Research was conducted on the historical social issue of human trafficking, which currently maintains an estimated 27 million people around the world captive. It exposes a \$32 million per year market that continues to thrive due to supply and demand. Through my research and conclusions I offer new possible solutions to combat this modern day slavery.

**Student:** Elizabeth Donegan

**Session:** 4:40 – 5:40, HS318

**Title:** "A Study of Healthy Whole Grain Breads in Grocery Stores"

**School:** Tulsa Community College

**Abstract:** Determining which breads are healthy whole grain choices from the package information is often difficult and confusing. Breads in seventeen Tulsa-area grocery stores were surveyed within a two week period. The results showed that healthy whole grain breads in a variety of price ranges—including several choices to accommodate family budgets—were available in all the surveyed stores. The word "whole" on a bread label was also a good indicator that the bread was a healthy, high-fiber choice.

**Student:** Laken Emerson

**Session:** 5:50 – 6:50, HS222

**Title:** "Thinkers and Their Thoughts: Socrates, Solomon, and Seuss"

**School:** University of Arkansas – Fort Smith

**Abstract:** Inspired by the compiled works in editor Jacob M. Held's *Dr. Seuss and Philosophy: Oh, the Things You Can Think!* and pure childlike curiosity, this paper explores the ideologies of two highly influential thinkers of the human race and their parallel truths outlined in the beloved narratives by Dr. Seuss, shedding a new light on what has been previously dismissed as "children's literature" and showing what the brains in your head and the shoes on your feet can really do.

**Student:** Laken Emerson **Session: 4:40 – 5:40, Weidman Center**  
**Title:** Flute Performance  
**School:** University of Arkansas-Fort Smith

**Students:** Amanda Estep, Megan Wood **Session: 3:30 – 4:30, Weidman Center**  
**Title:** Dance Performance: “**Fighting Life**”  
**School:** Missouri Western State University  
**Abstract:** Amanda has Cystic Fibrosis and Megan is a 17-year cancer survivor. Our performance is a representation of our lives, looking back at them and looking forward to what we wish to see in our future. We visit the present and look at how our relationship has changed both of us.

**Student:** Abigail Ferguson **Session: 4:40 – 5:40, HS326**  
**Title:** “**Communication in End-of-Life Care: A Nurse’s Perception**”  
**School:** Lone Star College North Harris  
**Abstract:** In the hospice setting, communication is arguably the most important aspect of care as nurses assist their patients with the transition from life to death. This study analyzes the perceptions of nurses working in end-of-life care – particularly their perceptions of communication between themselves and their patients, and the patients’ family. The results of this study identify potential barriers to effective communication between the nurse and their patients, such as nursing prejudices and the patients’ lack of family support. These findings will be used to investigate appropriate nursing interventions to improve nurse-patient communication in the hospice setting.

**Student:** Claire Ferguson **Session: 4:40 – 5:40, HS227**  
**Title:** “**In Defense of *Lolita***”  
**School:** Oral Roberts University  
**Abstract:** Vladimir Nabokov’s classic novel, *Lolita*, offers a detailed overview of the scale of heterosexuality and a rare, believable look into the mind of a pedophile. This essay offers a case for *Lolita*, one of history’s most misrepresented literary works.

**Student:** Conner Flansburg **Session: 3:30 – 4:30, HS325**  
**Title:** “**The Quantum Revolution**”  
**School:** Tulsa Community College  
**Abstract:** Computers are approaching a radical revolution: quantum computers will radically change the way computer are used and how they function. The advent of quantum computers will force us to reevaluate our assumptions of what computers are capable of. The quantum computer revolution will change the world, and this presentation will tell you how.

**Student:** Audrey Flewellen **Session: 5:50 – 6:50, HS124**  
**Title:** “**Social Media Impact on Modern Business**”  
**School:** Harding University  
**Abstract:** This presentation will show how social media helps businesses accomplish three imperative goals: strengthening employee and customer communication, eliminating expenses, and becoming more competitive with corporate peers. It also presents measurable evidence in terms of quotas met, rise in sales, and surveys of the companies that make full use of social media are greatly rewarded.

**Student:** Janet Flores **Session: 1:45 – 3:15, Breedlove Auditorium**  
**Title:** “**Surveying Mueschke Cemetery:  
A Community Preservation Project Led by Applied Geomatics**”  
**School:** Lone Star College – North Harris  
**Abstract:** The disappearance of historic cemeteries is a matter of international concern for several reasons; increasing development pressures, vandalism, theft, and natural deterioration are among the most common. These four threatening factors are negatively affecting Mueschke Cemetery, and the ongoing research at this historic, unrecorded landmark confirms the importance of utilizing modern

technologies for the purpose of preserving historic cemeteries. This study demonstrates the positive influence the field of Geomatics has on historic cemetery preservation. The original GPR, LIDAR, and topographic data collected will provide the foundation for planned future research at Mueschke Cemetery and strengthen the scarce available data involving historic cemetery preservation.

**Student:** Deanna Gardner, Rosie Hallaway      **Session: 5:50 – 6:50, Weidman Center**

**Title: "How to Make Your Dragon"**

**School:** Alvin Community College

**Abstract:** In the Dreamworks film *How to Train Your Dragon*, one of the main characters is an animated dragon by the name of Toothless. Using the application program Sculpttris, we recreated Toothless as a digital 3D render by molding him out of digital clay. We recorded and narrated his molding process in Camtasia 8.0 to make the process available in video. This eight minute video is that process.

**Student:** Nicholas Gonzales      **Session: 3:30 – 4:30, HS227**

**Title: "Digital Citizens: Proof that Social Media Creates Social Capital"**

**School:** Lone Star College - Montgomery

**Abstract:** This paper will discuss the need to change our concept of citizenship, in light of monumental movements which were facilitated by the internet and social media in particular. It is clear that through the use of these new platforms citizens are becoming more engaged and thus creating their own type of social capital. These new engaged citizens are unwilling to sit back and rely on votes to achieve the social outcomes they desire; Gen X and Y have become digital citizens and are on the cusp of creating a new and more active form of self-governance by utilizing social media.

**Student:** Addison Gribbin      **Session: 3:30 – 4:30, HS227**

**Title: "The Dualistic Nature of the Contemporary Congress"**

**School:** University of Texas at Tyler

**Abstract:** The concept of the dualistic idea of representation has been debated across a wide span of time, from historical scholars like Madison to contemporary scholars like Richard F. Fenno. Should members of Congress act solely in the interest of their constituents, or should they make decisions based on national interests? This paper will demonstrate that acting in the best interest of the nation is not always best for constituents. This paper will argue and defend that members of Congress should always, with the exception of national emergencies, put the interest of their constituents first when making legislative decisions. This paper will also specifically examine how Congress works as a policymaking body and a representative body, and how these two seemingly mutually exclusive variables coexist with one another.

**Student:** Joseph Hadwal      **Session: 3:30 – 4:30, HS227**

**Title: "The Alchemist and the Playwright: Ben Jonson, a Shakespearean Rival"**

**School:** Midwestern State University

**Abstract:** Ben Jonson, a Jacobean-playwright and Shakespeare contemporary, was highly regarded for his satirical wit. Nonetheless, his neoclassical works delivered him popularity during the romantic period. This research analyzes Jonson's most popular plays and historically illuminates one of England's most respected dramatists.

**Student:** Jonathan Henderson      **Session: 5:50 – 6:50, Weidman Center**

**Title: "Stepping From the Shoulders of a Giant:**

**An Examination into Aristotle's Separation From Platonic Thought"**

**School:** Midwestern State University

**Abstract:** Just as Plato learned his skills under the tutelage of Socrates, so too did Aristotle study under his mentor, Plato. However, in an age of modernity when we examine the two philosophies of Aristotle and Plato and compare them, we come to an understanding that, though similar, there is a strong divergence in method and thought. This paper seeks to examine the divergence between student and master and searches for the breaks and key points where this divergence took place.

**Student:** Cassandra Hewett

**Session:** 4:40 – 5:40, HS321

**Title:** "Finders Keepers Success"

**School:** Tulsa Community College

**Abstract:** Research from a Phi Theta Kappa project uncovered common negative experiences listed as reasons students drop out of college before reaching degree completion, including minimal finances and subsequent lowered self-worth. Our chapter created and hosted a week-long "Finders Keepers" event at TCC based on the information gathered from researching. The event collected and gave away clothing donated by all four campuses. By hosting this event, Alpha Zeta Alpha was able to take the information we had learned from our research and apply it to a program to benefit our community college; we expect to continue this event in coming years.

**Student:** Brandyn Hinnrichs

**Session:** 3:30 – 4:30, HS124

**Title:** "Effects of a Professional Sports Lockout on a Regional Economy"

**School:** Texas A & M University - Commerce

**Abstract:** With the recent discussions of an NFL lockout and the continued negotiations among the National Basketball Players Association and the NBA owners, the economic impact of an impending lockout must be considered. How will the lockout affect our already struggling economy? My research will delve into the aspects of the economy affected by a lockout in a regional economy such as the Dallas/Fort Worth Metroplex.

**Student:** Jonathan Holsapple

**Session:** 4:40 – 5:40, HS227

**Title:** "The Oppression of Gola"

**School:** Emporia State University

**Abstract:** Science fiction is a genre of literature that traditionally "explores the consequences of scientific innovation, but has also been used by authors as a device to discuss philosophical ideas". In Leslie F. Stone's science fiction short story, *The Conquest of Gola*, the author incorporates the mechanisms of traditional science fiction, depicting a world scientifically different from our own, but Stone uses the genre to explore issues that dominated the 1930s society in which it was written. In the creation of this timeless story, Stone delivers a feminist commentary on women's identity in society, the morality of imperialism, and the resulting social structure that causes the oppression of women.

**Student:** Darnelle Hummel

**Session:** 4:40 – 5:40, HS223

**Title:** "Leadership Uncovered"

**School:** McLennan Community College

**Abstract:** According to the Centre for Leadership Development, "Organizations take on the personality of their leaders. Leadership training and development can maximize productivity, shape positive culture, and promote harmony. To achieve this, key people must lead individuals and teams using an appropriate leadership style." In today's world, organizations are over-managed and under-led; it is important that leaders recognize this and make a change. Using the HEB leadership model, shadowing a regional HEB leader, and conducting research on contemporary leadership models, this scholar will share her journey to uncover essential characteristics of effective leadership.

**Student:** Misty Jackson

**Session:** 4:40 – 5:40, HS321

**Title:** "The Puritan Myth: False Stereotypes and Unrecognized Accomplishments"

**School:** Alvin Community College

**Abstract:** By understanding the goals and contributions of Puritan settlers, the negative stigma surrounding Puritanism can be replaced by an understanding of the people and principles that helped found America.



**Student:** Misty Jackson

**Session:** 5:50 – 6:50, HS321

**Title:** "Recognizing the Role of *The Body of Liberties* in American Government"

**School:** Alvin Community College

**Abstract:** The Declaration of Independence, the United States Constitution, and the Bill of Rights all contain ideals, philosophies, and laws that American's consider a cornerstone of the United States today, but most people are unaware that many of these institutions come almost verbatim from *The Body of Liberties*.

**Student:** Victoria Jensen

**Session:** 4:40 – 5:40, HS318

**Title:** "Shakespeare's Jurisdiction: Citations of the Bard in American Judicial Opinions"

**School:** Oral Roberts University

**Abstract:** References to literature in judicial opinions are one significant aspect of the expanding interdisciplinary study of law and literature. The works of Shakespeare have been used as legal authority for over a century as judges employ his works as a foundation for their own legal reasoning and rhetoric.

**Student:** Domanique Johnson

**Session:** 3:30 – 4:30, HS222

**Title:** "Where Do They Belong?"

**School:** University of Arkansas – Fort Smith

**Abstract:** This presentation is about the Afrodeutsche (Black Germans) in Germany. It will analyze autobiographies, film, and song to discuss sociological theories that occur and reflect how Afrodeutsche in Germany are treated and portrayed in society. It will also show the Afrodeutsche's role in society.

**Student:** Haylie Jones

**Session:** 4:40 – 5:40, HS227

**Title:** "Mental Illness & Film"

**School:** Tarrant County College – Northwest Campus

**Abstract:** Many people may be under the impression that mental illness is a rarity, when in fact approximately 65 million Americans have a mental illness. Of the 65 million most of them do not have access to mental health care. One of the reasons mental health is a problem in the United States, and other parts of the world, is the way it is represented in the mass media. Film and television has over time created a belief that mental illness is something to be feared. Americans have been scarred by characters like Norman Bates, Freddy and Jason, Michael Myers, Hannibal, and Ghostface. These films and many others have impacted the way society views mental health. These distorted views lead to stigmas about the mentally ill. These stigmas cause those with a mental illness to not seek professional help because they don't want anyone to know about the illness. These stigmas also lead to misguided decisions about mental health care policies.

**Student:** Monika Jordan

**Session:** 5:50 – 6:50, HS124

**Title:** "The Mueschke Cemetery: The Impact of Preventative Care on Child and Infant Mortality"

**School:** Lone Star College North Harris

**Abstract:** This research examines the morbidity and mortality rates of children from 1880 to 1940 and analyzes them in comparison to current health trends. Specific afflictions, such as typhoid fever and influenza, are referenced to children buried in Mueschke Cemetery, located in North Harris County of Spring, Texas. Evidence confirms that advances in medicine and the application of sanitation standards have impacted mortality rates. The findings reinforce the effect that preventative care has on children's health and their quality of life.

**Student:** Cheyenne Kelley

**Session:** 5:50 – 6:50, HS222

**Title:** "Changing Lives with Music: A Perspective on Music Therapy and Mental Illness"

**School:** McLennan Community College

**Abstract:** According to CNN news and the American Music Therapy Association, music therapy officially began after World War I and World War II as service to war veterans. Today these two resources estimate that there are 5,000 certified music therapists in the United States. The Bureau of Labor

Statistics estimates that the field of Recreational Therapists, which include Music Therapists, is growing at a rate of thirteen percent as of 2012. This scholar will highlight her research and work with a non-profit organization to demonstrate how performing arts can be used to assist in the healing process.

**Student:** Maxwell Kennady

**Session:** 4:40 – 5:40, HS321

**Title:** "Examining the Use of Knowledge Management Technology by a Small Nonprofit to Attain Organizational Goals"

**School:** Angelo State University

**Abstract:** People working for nonprofit organizations today have many responsibilities, from planning fundraisers to organizing volunteers and must be able to share information effectively in order to accomplish organizational goals. Recent research has focused on knowledge management technology and its ability to provide an efficient, low-cost way to share information with a wide range of people within a nonprofit.

**Student:** Duncan Knox

**Session:** 5:50 – 6:50, HS318

**Title:** "Experiential Learning: Exploring the Multiple Dimensions of the Transatlantic Slave Trade through the US-UK Summer Fulbright Program"

**School:** Angelo State University

**Abstract:** This paper draws on my experience in a Summer 2013 Fulbright UK-US Summer Institute at the University of Bristol to explore how studying the transatlantic slave trade in an international setting with students from multiple universities and using various disciplinary lenses not only significantly expands understanding of the specific topic but trains students to think more deeply and more critically.

**Student:** Jesse Latimer

**Session:** 4:40 – 5:40, HS321

**Title:** "The Artistry of Piano Performance: A Study in Motion-Capture Biomechanics and Piano Pedagogy"

**School:** Texas Tech

**Abstract:** An analysis of physical movements of pianists provides a unique application of biomechanical engineering to piano pedagogy. The aesthetic quality of piano playing is directly related to the pianist's freedom and fluidity of movement. This research presents a method of analyzing and comparing joint-center movements when pianists are playing in each of two modes: "correct" and "enjoyment". Results suggest more movement and more prominent hand arcs in the enjoyment mode than in the correct mode.

**Student:** Amber Loflin

**Session:** 4:40 – 5:40, HS223

**Title:** "Mental Health Care in Texas"

**School:** Texas Woman's University

**Abstract:** Texas stands as one of the last states in mental health care funding both now and in previous years dating back to 2007. It is vital that a policy change be implemented. Given the overall mental health in America, it is obvious to see that effective mental health care treatment and funding is needed now more than ever.

**Student:** Joshua Logsdon

**Session:** 3:30 – 4:30, HS124

**Title:** "Western Welfare: The Pauper System in West Texas, 1876 to 1930"

**School:** Angelo State University

**Abstract:** Texas passed two laws regarding the care of paupers in 1876. These laws created three different provisions for aid. One law required county commissioners' courts "To provide for the burial of paupers." The second law required county commissioners to support the poor in their precincts and authorized counties to establish poor farms and set operational guidelines for the county farm. Beyond very basic guidelines, the state legislature left it up to the counties to determine the proper level of support as well as the mechanisms through which that support would be provided.

**Student:** Rachel Long **Session: 1:45 – 3:15, Breedlove Auditorium**

**Title: "Low Level Energy Laser Therapy And Chemotherapy-Induced Peripheral Neuropathy"**

**School:** Oral Roberts University

**Abstract:** This retrospective clinical analysis of 52 patients treated at the Cancer Treatment Centers of America at Southwestern Regional Medical Center in Tulsa, OK evaluates the complications, mechanisms, and current treatments of chemotherapy-induced peripheral neuropathy, as well as application of the underutilized but emerging technology of low level laser therapy.

**Student:** Joshua MacFie **Session: 4:40 – 5:40, Weidman Center**

**Title: "A Progressive-Response Algorithm for Improving Player Skill in Connect Four"**

**School:** McLennan Community College

**Abstract:** The game Connect Four has been studied since its inception by Milton Bradley in 1974; however, the problem of responding appropriately to a player's skill in an artificial intelligence environment has not been specifically addressed. In this paper we describe the Connect Four problem, as well as known solutions and strategies. We then provide details on a recursive algorithm which, over time, responds to a player's individual skill level and allows for a game play that is sufficiently challenging yet not entirely overwhelming.

**Student:** Kami Ann Martin **Session: 3:30 – 4:30, HS124**

**Title: "Inside the Mind of a Predator: an Examination of Neuroscience and Violent Behavior"**

**School:** University of Texas at Tyler

**Abstract:** This paper looks at some neurological problems that could be involved with violent behavior. This is a controversial topic because of what it could mean for our current justice system. John Wayne Gacy and Charles Whitman are discussed in relation to the crimes they committed, as well as the brain problems they both displayed. A third man is discussed whose behavior and personality changed due to a tumor. Tumors and frontal lobe damage are examined in how they can alter normal brain processes. Finally, customized sentencing of criminal offenders is proposed for the justice system to represent these new neurological progresses

**Student:** Lauren Martin **Session: 5:50 – 6:50, HS227**

**Title: "Orestia"**

**School:** John Brown University

**Abstract:** In the *Orestia*, Aeschylus compares the Areopagus jury system to the vendetta justice system. Many scholars believe that the *Orestia* condemns the vendetta system because of the violence that it creates. In addition to this condemnation of the vendetta system, this paper will argue that the *Orestia* subtly critiques characters that use it for motives other than justice.

**Student:** Joshua Matthew **Session: 3:30 – 4:30, HS321**

**Title: "Masculine Rhetoric in an Indian-American Protestant Church"**

**School:** Lone Star College North Harris

**Abstract:** This project explores the rhetoric of gender in a small Indian-American Church Community, the Emmanuel Brethren Assembly, through the process of an ethnographic interview with a church elder. It focuses on the rhetoric that reinforces female roles and masculine leadership. Secondary research further supports this conservative reading of Christian texts where gendered rhetoric maintains strict social roles and limitations within the congregation.

**Student:** Stephanie Merts **Session: 3:30 – 4:30, HS326**

**Title: "Female Superheroes: Empowerment...or is it?"**

**School:** Tarrant County College - Northwest

**Abstract:** I study the role of female superheroes in our society and what it really means to be a strong female character in a society where the social roles between men and women has yet to become equal.

By looking at female superheroes in both past and present comic books, TV shows, and movies, I will reveal whether the female superheroes are truly allowed to be heroes...or if their presence is there to add drama and sex appeal.

**Student:** Holly Miles

**Session:** 5:50 – 6:50, HS227

**Title:** "Birth and Rebirth: A Comparison of the Protagonists in the Works of María Luisa Bombal"

**School:** Angelo State University

**Abstract:** María Luisa Bombal, a Chilean author of the mid twentieth century, is best known for her work in the realm of magic realism. This paper examines her works through an evaluation of two of her most well-known short stories: *La Última Niebla* and "El Árbol," with a focus on her main characters and how they dealt with their repressed, natural impulses.

**Student:** Clinton Morrison, Jr.

**Session:** 3:30 – 4:30, HS124

**Title:** "The Dangers of Designer Babies through a Literary Looking Glass"

**School:** Sam Houston State University

**Abstract:** The concept of Designer Babies is one that would have once been considered science fiction. The idea that parents and society would be able to modify a fetus' physical features and even possibly their cognitive skills prior to the child's birth would have been considered an idea that one would find in novels or in a film. However, the augmentation of humans while still in the mother's womb to rid the individual of disease, control habits of behavior, or to enhance the physical ability of the individual is becoming more applicable as science progresses. While certain scientists and researchers would claim that the modification of children is essential for an improved, near utopian society, concerns also arise when one takes into consideration the similarities this research and the potential applications of this research have with Aldous Huxley's *Brave New World* and Ridley Scott's *Blade Runner*.

**Student:** Sean Daniel Motl

**Session:** 1:45 – 3:15, Breedlove Auditorium

**Title:** "Memorials Without Memories"

**School:** Angelo State University

**Abstract:** In Rwanda, genocide memorials operate on a fine line between providing education and manipulating historical facts as a means of political exploitation. Instead of focusing on the *effects* of genocide as a way to provide consumers an emotional experience at the cost of historical accuracy lest they never forget, outcomes may be much better if the focus is shifted to the *causes* of genocide. It is important to separate these because it would then provide a private space for survivors and identity-reinforcers to mourn, while broadening and deepening the information available to knowledge-seekers. At the root of genocide is a severe violation of human rights. Therefore, memorials would also do well to provide education on the importance of upholding human rights rather than perpetuating the trauma through graphic, emotional images.

**Student:** Hannah Nester

**Session:** 5:50 – 6:50, Weidman Center

**Title:** "Heaven Sent: A Comparison of the Prophet Muhammad and the Twelfth Imam"

**School:** John Brown University

**Abstract:** The many similarities between the Mahdi and the Prophet serve to underscore his legitimacy as the rightful leader of the Muslim community. In some cases, this expression of legitimacy goes beyond simple comparison and paints the Mahdi as a figure greater than the Prophet Muhammad himself.

**Student:** Tam Nguyen

**Session:** 5:50 – 6:50, HS124

**Title:** "The Mathematics of Computed Tomography"

**School:** Lone Star College North Harris

**Abstract:** Computed tomography is investigated mathematically and historically. The ideas of the Radon transform, Fourier transform, back projection, and filtered back projection are considered and applied to a basic example of computed tomography. Extensions and limitations of the methods are also

considered. The study reinforces the applicability of mathematical models to develop improvements in medical imaging and non-invasive surgical methods.

**Student:** Caleb Nichols **Session: 4:40 – 5:40, HS326**

**Title: "The Sigmoid Curve in Organizations and Leadership"**

**School:** Midwestern State University

**Abstract:** The sigmoid curve is an excellent representation of the life cycles of organizations and individual leaders' experience. The slopes of the curve represent the birth and growing periods of an organization's projects or the ideals and abilities of a leader.

**Student:** Eric Odum **Session: 5:50 – 6:50, HS318**

**Title: "Connecting Narcotics Anonymous Key Chains to the OKC National Memorial Fence"**

**School:** Oklahoma City University

**Abstract:** During my research on the Memorial Fence at the Oklahoma City bombing memorial, I discovered an assortment of key chains with the Narcotics Anonymous symbol attached to the Fence by unidentifiable visitors. The Memorial Fence has become a place not only for memorializing those killed in the bombing but also for documenting personal struggles symbolically and offering support and inspiration to others who are battling to overcome their hardships including, but certainly not limited to, those affected by the 1995 Oklahoma City bombing.

**Student:** Elyse Partee **Session: 5:50 – 6:50, Weidman Center**

**Title: "Warrior Queens: The Evolution of a Feminine Celtic Faith"**

**School:** John Brown University

**Abstract:** Celtic women were strong. They held power and influence over the inner workings of their patriarchal culture and traditional beliefs, and from the fifth century onward, they began to wield their influence over the new faith of Christianity. Confidence that comes with such potency should be understood, especially in light of the Irish nation's role within the larger saga of Christianity and Western civilization. As women converted to the religion of Saint Patrick, the Irish culture incorporated classic female figures into its understanding of the Christian faith.

**Student:** Eugenia Phan **Session: 5:50 – 6:50, HS222**

**Title: "Sugar: Has Society's Sweet Tooth Turned into an Epidemic?"**

**School:** Oral Roberts University

**Abstract:** Since the initial introduction of sugar in sweet drinks and candy just over a century ago, the substance has been infused in even greater amounts into an even wider variety of foods. Many studies link the enormous amounts we ingest with an unhealthy psychological and physiological dependency on the substance, resulting in epidemics including but not limited to obesity, diabetes, malnutrition, cardiovascular disease, cancer, poor immune function, inflammatory diseases like rheumatoid arthritis, and accelerated aging.

**Student:** Jessica Porras **Session: 3:30 – 4:30, HS223**

**Title: "Dialectical Differences in the Spanish Language"**

**School:** Texas A & M International University

**Abstract:** There are many dialectical variations of language, which can occur due to differences in geographical areas, social class, and ethnicity. In Spain there are several dialectical variations of Spanish and phonological differences among the different areas.

**Student:** Molly Porter **Session: 3:30 – 4:30, HS223**

**Title: "Tennyson's "Ulysses": An Elegiac Contrast of Ancient and Modern"**

**School:** Lamar University

**Abstract:** This study seeks to establish the poem "Ulysses" as an elegy. Further, the study addresses the issues set forth in prior criticism by showing that the poem's elegiac style brings forth the contrast between the ancient Greek hero Odysseus and the modern Victorian hero Ulysses portrayed in the poem.

**Student:** Mary Grace Pruitt **Session: 5:50 – 6:50, HS223**

**Title:** "Bill Hicks, a Satiric Comic With a Philosophical Tinge"

**School:** San Jacinto College

**Abstract:** This paper shows that Bill Hicks sparked a revolutionary trend in humor. Using primary and secondary sources, this paper follows his life, beginning in Houston, Texas, and touring the entire world. Wielding the weapon of wit, he caught the crowd's attention and fed them his idea of "common sense that was not too common" on hot-buttoned subjects of the 1980s.

**Student:** Gabrielle Quatrini **Session: 3:30 – 4:30, HS223**

**Title:** "The Relationship of Extraversion and Neuroticism to Self-Efficacy in University Students"

**School:** Oral Roberts University

**Abstract:** This study observes the correlational relationships between extraversion and self-efficacy and neuroticism and self-efficacy in university students and how those relationships affect a student's collegiate success. The constructs of extraversion, neuroticism, self-efficacy, attributions, and factors that affect academic achievement are all explored.

**Student:** Shannon Quick **Session: 3:30 – 4:30, HS326**

**Title:** "Unorthodox Loopholes – A Look Back Into the Legislative Process of Failed Forward Thinking"

**School:** Texas Woman's University

**Abstract:** Since the passage of the Brady Bill in 1993, every Congress has had to address the loophole left by the Brady bill and every time the proposed bill has failed in committee. This continued failure has led to the unorthodox lawmaking process that is now becoming the norm. In this paper I discuss the two most recent bills to be placed in the hopper and the sordid history that has led to their slow ascension.

**Student:** Cadie Ramsey **Session: 3:30 – 4:30, HS321**

**Title:** "Stories from Vietnam and the Gulf War: A Qualitative Study"

**School:** McLennan Community College

**Abstract:** Soldiers returning from the Vietnam conflict and the Gulf War came home to public outcries that questioned their missions. This scholar has collected stories from those who fought in both arenas to better understand how public sentiment and the media impacted the mental health of these returning soldiers. This study also highlights what the government provided to aid these soldiers in their recovery process.

**Student:** Hannah Ratzlaff **Session: 5:50 – 6:50, HS227**

**Title:** "The Flesh of the Soul"

**School:** John Brown University

**Abstract:** For centuries, the soul has stood center stage among the inquiries and critiques of philosophers, theologians, historians, poets, novelists, and even politicians. Since the fourth century, Plato has captured history's audience concerning the structure and ability of the soul through its purity and transcendent intellect and has damned its fleshly antagonist. Just a century later, Augustine of Hippo asserts that the soul is not pure, but tainted, not by the device of the flesh but is, to its core, corrupted. These two men, one a philosopher and rhetorician, the other a theologian and politician, oppose each other on history's stage to argue the anatomy of the soul.

**Student:** McKenzie Raub **Session: 3:30 – 4:30, HS223**

**Title:** "Alcibiades: The Greek Chameleon"

**School:** John Brown University

**Abstract:** The conflict between Athens and Sparta of the Peloponnesian War is well demonstrated through the life of Alcibiades. Within Greco-Roman culture, Alcibiades is a figure who was generally viewed as a cautionary tale, but one that also demonstrates many redemptive and admirable characteristics.

**Student:** Emily Reno **Session: 3:30 – 4:30, Weidman Center**

**Title: "Curcumin's Curing and Prevention Abilities"**

**School:** Johnson County Community College

**Abstract:** Studies of the Southeast Asian diet show signs that certain properties of the cuisine assist in the prevention and mitigation of certain diseases. In India specifically, the prevalence of curcumin—the active ingredient in turmeric—contributes significantly to overall lower rates of cancer and heart disease, and the prevention of Alzheimer's. Based on the current studies of curcumin's effect in the human body, more research in the spice's development as a daily health supplement and pharmaceutical drug must be conducted to better inform consumers and create additional methods of disease prevention and treatment.

**Student:** Tyler Reynolds **Session: 4:40 – 5:40, HS318**

**Title: "Film on Wright Patman"**

**School:** Northeast Texas Community College

**Abstract:** Our effort to film the life of Texas Congressman, Wright Patman. The film is a feature-length production that includes all of the main elements of history-based cinema. This includes period-costumes, makeup, a script based on the history, which we researched, appropriate backdrops, and even the inclusion of archived live footage relative to the events we describe. All of this enabled us to create a film that had documentary type tendencies, but still held the entertainment level of a political thriller.

**Student:** Amanda Rodriguez **Session: 3:30 – 4:30, HS222**

**Title: "The Fall of Chivalry: The Impact of Romantic Literary Elements on European Society"**

**School:** Texas A & M International University

**Abstract:** The Romantic period in English Literature is a period that continues to fascinate authors. The social economic changes that England was experiencing served as a canvas for authors such William Blake, Thomas Hardy, and Percy Shelley. Many authors were skeptic towards this "new age"; Edmund Burke expresses such sentiments in his paper "The Age of Chivalry is Gone." In my research I address what Burke actually meant by the word "chivalry" and what exactly it was that he feared.

**Student:** Firdaous Rohaizad **Session: 3:30 – 4:30, HS318**

**Title: "Exploring American History: The Trail of Tears 1830"**

**School:** Tarrant County College - Southeast

**Abstract:** The Trail of Tears gets its name from the 4,000 Cherokees that died during the migration due to famine, hunger and disease. Although the Europeans succeeded in removing the Indians, this historical event highlights the nonexistence of justice and morality.

**Student:** Ashley Saenz **Session: 4:40 – 5:40, HS222**

**Title: "A Fate Worse Than Death: The History of Anesthesia in Surgical Procedures"**

**School:** Brazosport College

**Abstract:** This presentation traces surgical procedures from pre-anesthesia practices, through the race to create a safe and effective method of anesthesia in the nineteenth century.

**Student:** Lauren Schuldt **Session: 5:50 – 6:50, HS326**

**Title: "Echoes of Victorian Poetry in Modern Punk Rock Music"**

**School:** Lamar University

**Abstract:** Written over a century and a half after the publication of "The Cry of the Children," modern punk rock band Rise Against's 2011 song, "Make it Stop (September's Children)," mirrors many of the elements of style and motive seen in Victorian author Elizabeth Barrett Browning's poem. This essay argues that the eerie similarities between these two pieces are not due to coincidence, but that the two are necessarily connected in that they share a common purpose motivated by similar societal issues.

**Student:** Tabatha Secrease **Session: 3:30 – 4:30, HS318**  
**Title: "Looking at Design from a Different Perspective: A View from the Architectural World"**  
**School:** McLennan Community College  
**Abstract:** This scholar explores the role of the interior designer in the architectural world. Working with an art professor, researching, and shadowing a senior partner and a senior designer at an architectural firm allowed this scholar to better understand creativity inside an architectural paradigm. She shares her journey and what she learned from this Academic Cooperative.

**Student:** Jessie Selph **Session: 1:45 – 3:15, Breedlove Auditorium**  
**Title: "The Female Proletariat: Marxism in *Moulin Rouge!*"**  
**School:** Lee College  
**Abstract:** According to Karl Marx, the history of human existence is characterized by the struggle of social classes. Since the beginning of time, the wealthy, powerful bourgeoisie have sought complete control over the underprivileged and abused proletariat. In turn, the proletariat attempt to resist oppression but ultimately submit in hopes that they will one day have power themselves. This innate desire of the underdog, so to speak, to eventually become the aggressor is the central driving force that perpetuates the capitalist machine. Simultaneously, it is also a dominant theme in much of Western cinema and literature, despite being articulated over a century and a half ago. If we morph the situation slightly, however, the political theory quickly becomes applicable to gender roles in capitalist societies as well, such as the struggle featured in Baz Lurhmann's *Moulin Rouge!*

**Student:** Julianna Sherman **Session: 3:30 – 4:30, HS326**  
**Title: "Freshman Research and Breast Cancer"**  
**School:** Oral Roberts University  
**Abstract:** Breast Cancer is one of the most commonly diagnosed diseases worldwide, although its cause is not well defined. I will be investigating the epithelial adapter protein, Angiomotin, which has recently been shown to promote mammary cancer progression. We will be using a three dimensional matrix to study the result of Angimotin expression during mammary organogenesis. We will also be targeting Angimotin expression in mammary cancer cell lines via lenti viral mediated sh-RNA expression. Finally, we will be studying the effects of genetic deletion of the AMOT gene using the CRISPR/CAS-9 system.

**Student:** Analiese Smith **Session: 1:45 – 3:15, Breedlove Auditorium**  
**Title: "Lethal Weaponry: Examining the Development and Use of Chemical Warfare"**  
**School:** Tarrant County College – Northwest Campus  
**Abstract:** This research will explore the effects of and reaction to chemical weaponry through a historical lens. Chemical weapons have a limited history of use when compared to other weaponry. In spite of this, they are also some of the most feared weapons by the general population. Why is it decidedly "more humane" to kill with conventional firepower, and why is chemical warfare the "red line" that, once crossed, requires intervention? I will address this by using multiple examples of the United States' involvement in global conflicts where chemical warfare was employed, with an emphasis on World War I and a comparison to recent events in Syria.

**Student:** Hannah Smith **Session: 4:40 – 5:40, HS124**  
**Title: "A Crumbling Nation Mended Together"**  
**School:** Tarrant County College - Southeast  
**Abstract:** In this presentation, I will analyze Lincoln's Second Inaugural Address and explore the historical, situational, and contextual details in the speech and compare it to Bitzey's Rhetorical Situational model. Lincoln was President during one of the nation's most critical endeavors; however, with brilliance in his ideas and wisdom in his writing, he addressed the crumbling nation with confidence and a hope for the future.



**Student:** Claudia Smithart

**Session:** 4:40 – 5:40, Weidman Center

**Title:** “The Trick to Happily Ever After: Egalitarian Beliefs and Happy Marriages”

**School:** Texas A & M University - Commerce

**Abstract:** The purpose of the current study is to understand marital commitment beliefs for unmarried college students based on their sex, gender role beliefs, and relationships status (i.e., existence of a romantic relationship and seriousness of relationship). The results will put into perspective the difference in marital commitment beliefs among the two sexes and whether romantic relationships affect these beliefs for this age group.

**Student:** Emily Stanton

**Session:** 5:50 – 6:50, HS223

**Title:** “The Spark to a Flame: A Resurgence of Dystopian Novels”

**School:** Oral Roberts University

**Abstract:** In the last few decades, dystopian novels have become one of the most popular genres of fiction, especially among young adults. This area of writing is not new but has been around for centuries. The resurgence of dystopian settings gives reason to take a second look into this growing genre. How fully do these novels relate to the audiences at which they aimed? Are they truly social critiques? Research shows that both earlier works and their more recent counterparts mirror and critique society. Altogether, the dystopian genre finds its center as criticism and escapism for both the authors and the readers, and it pushes to become something more: a spark to start a revolution.

**Student:** Vanessa Sweet

**Session:** 5:50 – 6:50, HS326

**Title:** “Hyperrealism in Miller’s *Death of a Salesman*”

**School:** Oral Roberts University

**Abstract:** An examination of Arthur Miller’s play *Death of a Salesman* through Baudrillard’s theory of hyperrealism lends interesting insights into the nature of the American Dream. Hyperrealism tracks the regression of a representational sign to a simulacrum with no basis in reality. Because of its emphasis on the nature of reality and the American Dream, *Death of a Salesman* provides an excellent base text to demonstrate the effects of simulacra and hyperrealism on the culture and individual. The characters engage with and become simulacra themselves as they search to find meaning in an image-saturated world.

**Student:** Kara Timberlake

**Session:** 5:50 – 6:50, HS326

**Title:** “The Reality of Reality Television”

**School:** Lamar University

**Abstract:** Reality television, which many thought would be a passing fad, has moved from the periphery of television culture to its profitable core across the globe with increasing power that supports an investigation of its relationship to veracity and authenticity. Identifying how reality television dramatizes a heightened version of everyday life proves an essential key so society does not fall prey to thinking their lives are inferior to those portrayed on the screen.

**Student:** Amy Tommey

**Session:** 5:50 – 6:50, HS227

**Title:** “Retaining a Personal Moral Code in the Face of Extreme Crisis”

**School:** Tulsa Community College

**Abstract:** By using the narrative paradigm as described by Walter R. Fisher in his article “Narration as a Human Communication Paradigm: The Case of Public Moral Argument” to analyze and reflect upon an episode of AMC’s *The Walking Dead*, one can begin to think about how he or she would react to the unthinkable. Even though a zombie infestation is fictional drama, large-scale natural disasters and acts of terrorism are plausible scenarios to test the question “How would you retain your moral code in the face of extreme crisis?”

**Student:** Sirima Tongkhuya

**Session:** 3:30 – 4:30, HS318

**Title:** "Twilight Zone and Bert Williams: The Underlying Mask and Development of Aesthetic Theory"

**School:** Tarrant County College NE Campus

**Abstract:** After careful observation of sociological interactions, an overall theme of a mask may be concluded, therefore allowing us to learn of Bert Williams and what characters he hid behind the metaphorical and physical masks he carried. All these components taken together lead to one mask theme and theory of aesthetics.

**Student:** Christina Tran

**Session:** 3:30 – 4:30, HS222

**Title:** "Male – tall, strong, and built . . . Going once, twice, SOLD!"

**School:** Tarrant County College - Southeast

**Abstract:** In this presentation, I share ideas and stories through evidence using Frederick Douglass's autobiography and academic sources to explore the histories and incidents that happened in the daily life of a slave and how they fought for their freedom.

**Student:** Josiah Wadsack

**Session:** 4:40 – 5:40, HS222

**Title:** "The Eucharistic Debate Prior to the Council of Trent"

**School:** John Brown University

**Abstract:** The Council of Trent in 1551 declared that the doctrine of transubstantiation – that the Eucharist blessed by the priest changes its substance from bread and wine into the literal body and blood of Christ – had "always been a matter of conviction in the Church of God." This paper investigates the merit of this claim and concludes that dissenting theologies about the Eucharist had historically been accepted within orthodoxy; however not until the 11<sup>th</sup> century did transubstantiation alone become the solely sanctioned Eucharistic belief in the church.

**Student:** Taylor Whipple

**Session:** 5:50 – 6:50, HS223

**Title:** "Captain Pallet vs. Dr. Aüto Isem: Art Changes Thinking"

**School:** Park University

**Abstract:** Taylor Whipple, author of *Captain Pallet vs. Dr. Aüto Isem: Art Changes Thinking*, researched the effects of engagement in artistic activities on sequencing and creative problem solving skills in youth with developmental disabilities. The results provide potential evidence for the influence of engaging in artistic creation on basic cognitive skills.

**Student:** Brittany White

**Session:** 5:50 – 6:50, HS223

**Title:** "Interpretations of Christianity during the Crusades"

**School:** Lone Star College Cy-Fair

**Abstract:** This research analyzes the initial goals of the Crusades and how these objectives evolved with each of the subsequent Crusades. The research was conducted by examining speeches, first-hand accounts, and songs and propaganda relevant to each Crusade. Analyzing and comparing these historical sources from different perspectives creates a broader, richer understanding of the Crusades as a religious, political and social movement and illustrates the repercussions of the campaign as viewed through a contemporary lens.

**Student:** Molly Wilson

**Session:** 3:30 – 4:30, HS321

**Title:** "The Pressure is On: Glaucoma and the Crisis of Blindness"

**School:** Brazosport College

**Abstract:** This presentation addresses the issue of Glaucoma, a group of eye abnormalities caused by pressure on the optic nerve. It results in vision loss and, if left untreated, blindness. The focus is on methods of detection of glaucoma, the various types of glaucoma and the treatment options for each type, and prevention methods that are available. Glaucoma in a global context is also discussed, as this is one of the leading causes of blindness in the world, and it is critical to understand preventative methods to avoid this easily detectable disease to minimize the damage.

**Student:** Brittany Wright

**Session:** 3:30 – 4:30, HS326

**Title:** "Sex Sells: A Study of Sex Appeal and Social Economics"

**School:** McLennan Community College

**Abstract:** This research explores beauty and sex appeal in relation to the economic principles of our society in order to establish the greater inequality of discrimination based upon gender and genetics.

**Student:** Kuraly Zharmagambetova

**Session:** 3:30 – 4:30, HS222

**Title:** "The Education System in the Russian Federation"

**School:** Alvin Community College

**Abstract:** The introduction of profile education in Russia, which is based on the specialized training of students according to their interests and abilities, has acquired a huge success. This project studies the theoretical and practical foundations of the concept of the Russian education system. It argues that modern Russia's new model of education system is unique in its kind, and Russia has every chance to take a leading position on the world stage.