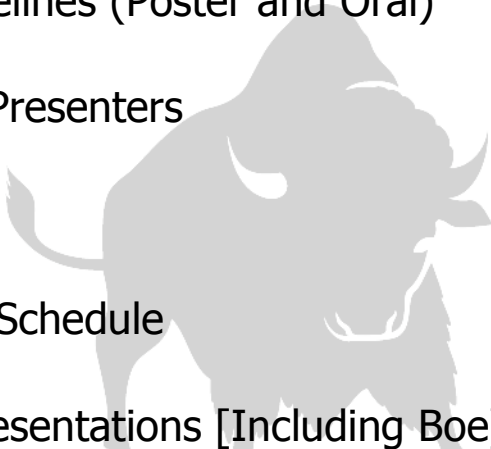




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Abstracts: Oral Presentations [Including Boe]	30



Attn: Administrators, Faculty, Staff

Don't forget to join in these special sessions:

- Friday, 4:45pm, Nuts & Bolts: "At Home in Honors", San Jacinto Room, Ambassador Hotel
- Friday, 9:30pm, *Oral Session Moderator's Briefing*, Location to be Announced during the opening dinner.
- Saturday, 5:40, Nuts & Bolts: "Insiders and Outsiders Working Together for Honors", CC309 (WTAMU)
- Sunday, 7:30am, Great Plains Honors Council General Meeting, San Jacinto Room-Ambassador Hotel

GPHC Executive Board Meeting ~ 9:30pm, Friday Evening, San Jacinto Room

Notes

Reminder:

Bring a jacket to outdoor and evening events. Panhandle mornings and nights can be very cool.

Emergency Help Numbers:

- Campus Police 806.651.5000
- Office of the Attebury Honors Program 806.651.2734 or 806.651.2736
- Conference Host Administrators:
 - Kathey Walker 806.683.7186
 - Toni Williams 806.881.4107
 - Jessica Mallard 806.681.2537



2013 Great Plains Honors Conference

Connecting in a Digital World

Conference Schedule at a Glance



Hosted by the Attebury Honors Program at
West Texas A&M University (WTAMU)

Friday, April 5

(All Friday activities are at the

Ambassador Hotel, Amarillo)

<p>2:00-6:00 pm 4:45-5:45 pm 4:45-5:45 pm Rm. 5:45-6:45 pm 7:00-9:00 pm 9:30 pm 9:30 pm</p>	<p>Conference Registration Table, Lobby Poster Set Up, Atrium Nuts and Bolts Session ~ Administrators, Faculty, and Staff ~ San Jacinto Poster Presentation Session and Reception, Atrium <i>Sponsored by the National Collegiate Honors Conference</i> Opening Dinner – Rio Grande Ballroom Plenary speaker, John H. Marmaduke, President and CEO of Hastings Entertainment Dr. Ray Matlack, Wildlife Biology – <i>Palo Duro Canyon Highlights</i> Boe Award and Lifetime Member Award Ceremonies Moderator Briefing ~ Location TBD GPHC Executive Board meeting ~ Location TBD</p>
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Saturday, April 6

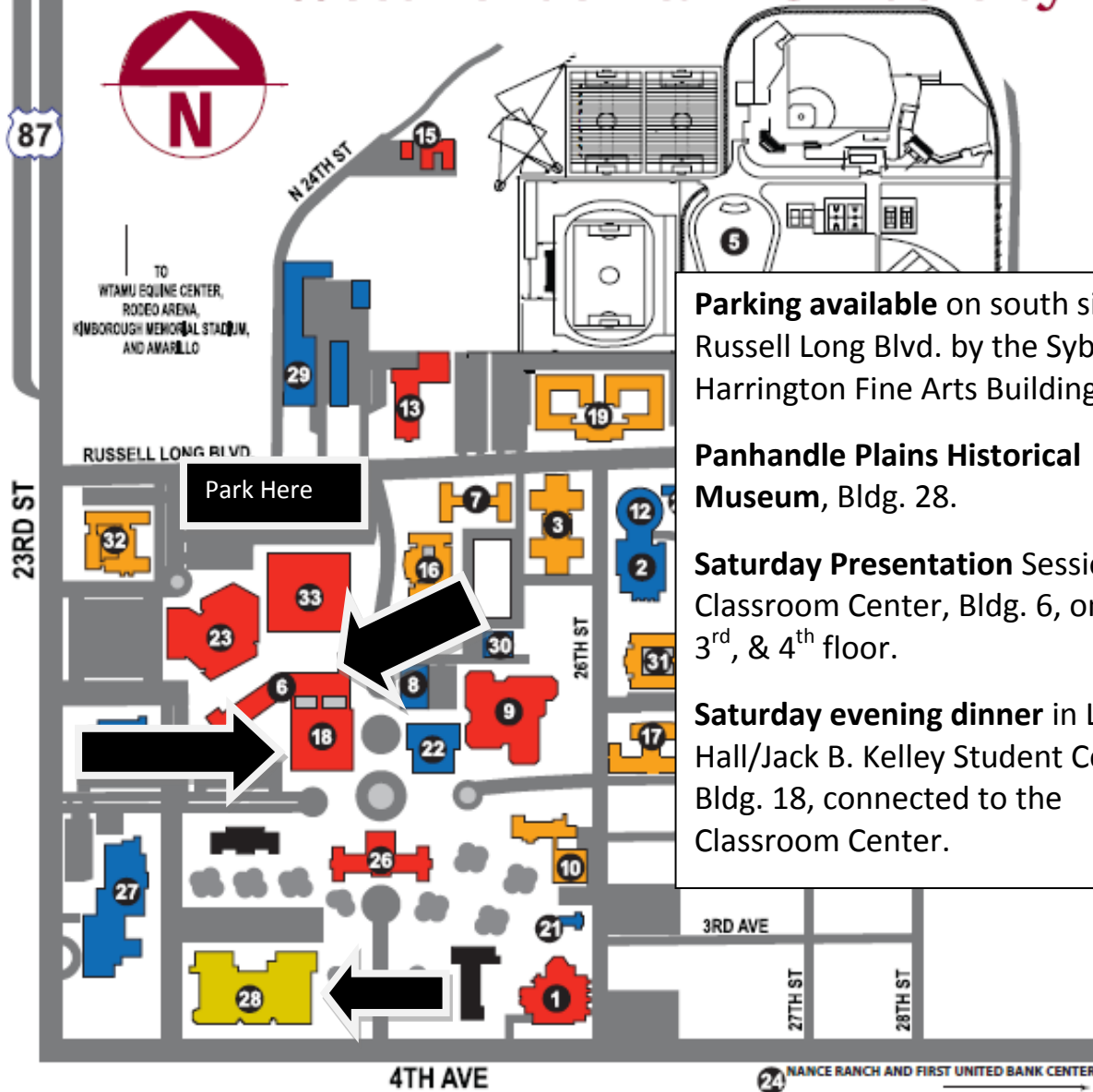
<p>6:30-8:30 am 8:00 am-12:00 pm 7:00 am 8:00 am 9:30 am 10:00 and 10:30 11:30 – 12:30 pm 12:45 pm 1:45- 6:50 pm 7:00 – 9:00 pm 9:00 pm</p>	<p>(Buses will load in hotel parking at 7:00 am, 8:00 am, 9:30 am, and 12:45pm) Continental breakfast in the Ambassador Atrium (for Ambassador Guests only) Conference Registration table open in the Ambassador Hotel lobby Hikers load on buses for trip to Palo Duro Canyon – depart 7:15 Find your group leader by color/trail assignment and ride bus with your group Non-Hikers load on buses for trip to Palo Duro Canyon – depart 8:15 Interpretive Center, Overlook & Driving Tour of Palo Duro Panhandle Plains Historical Museum (adjacent to WTAMU) Visitors load on bus for transfer to museum. <i>On your own until 2pm sessions begin @ WTAMU classroom center complex. Several restaurants are within walking distance.</i> Palo Duro visitors load on buses for return to Ambassador Hotel Boxed lunches provided at the Ambassador Hotel Load on buses for transfer to West Texas A&M University (WTAMU) Conference Sessions at WTAMU Boe Presentations ~ Legacy Hall in Jack B. Kelly Student Center Student Oral Presentations ~ Classroom Center Level 2 & 3 Nuts and Bolts Session ~ Administrators, Faculty, and Staff ~ Classroom Center Closing Dinner ~ Legacy Hall in the Jack B. Kelley Student Center (WTAMU) Plenary Speaker, Dr. Leigh Browning, Mass Communication Load on buses for transfer back to Ambassador Hotel</p>
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[An alternate activity list for *on your own enjoyment* is in your packet should you decide not to participate in the scheduled conference activities.]

Sunday, April 7

<p>7:30 am</p>	<p>GPHC General Meeting - Colorado Room, Ambassador Hotel Breakfast for hotel guests served beginning at 6:30 am in the Atrium</p>
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West Texas A&M University



Campus Map

- | | | |
|--|---|---|
| 1. Agriculture and Natural Sciences Building | 13. Engineering Building and Bivins Nursing Learning Center | 24. Nance Ranch & FUBC |
| 2. Alumni Banquet Facility | 14. Fieldhouse-"The Box" | 25. Office of Residential Living |
| 3. Buff Hall | 15. Greenhouse | 26. Old Main |
| 4. Buffalo Courts Alumni Center | 16. Guenther Hall | 27. Old Student Union Building |
| 5. Buffalo Sports Park | 17. Centennial Hall | 28. Panhandle-Plains Historical Museum |
| 6. Classroom Center | 18. Jack B. Kelley Student Center | 29. Physical Plant Complex |
| 7. Conner Hall | 19. Jarrett Hall | 30. Physical Plant Complex |
| 8. Computer Center | 20. Jones Hall | 31. Stafford Hall |
| 9. Cornette Library/HELIC | 21. Joseph A. Hill Memorial Chapel | 32. Sybil B. Harrington Fine Arts Complex |
| 10. Cousins Hall | 22. Killgore Research Center | 33. Sybil B. Harrington Fine Arts Complex |
| 11. Cross Hall | 23. Mary Moody Northern Hall | 34. Virgil Henson Activities Center |
| 12. Dining Hall | | |



West Texas A&M University

April 5-7, 2013

Hello and welcome to beautiful West Texas!

We are proud to host this year's Great Plains Honors Conference. As an attendee and/or presenter at the conference, you represent your school, college, department, and Honors Program's dedication to research and excellence in education.

While you are here, please take the time to explore the opportunity to learn from the numerous poster and oral presentations that will take place over the course of the weekend. We hope that you will do your part to enrich the conference for each of us by fully engaging in each of the opportunities that await you.

A special thank you goes to the Great Plains Honors Council for allowing us the opportunity to host the 2013 conference. We would also like to acknowledge the support received from the many offices on the WTAMU campus without whose efforts, this conference would not have happened. Most especially, we want to thank the Attebury Honors Students who have volunteered their time and energy in support of this event.

We are happy that you are here and hope that you enjoy your time on our campus and enjoy the beautiful landscape unique to the Panhandle of Texas as well as the special activities available to you this weekend.

Sincerely,

Handwritten signature of Dr. J. Patrick O'Brien in black ink.

Dr. J. Patrick O'Brien
President, West Texas A&M University

Handwritten signature of Dr. Wade L. Shaffer in black ink.

Dr. Wade L. Shaffer
Interim Provost/VPAA, West Texas A&M University

Handwritten signature of Dr. Jessica Mallard in black ink.

Dr. Jessica Mallard
Dean, College of Fine Arts and Humanities
Academic Director, Attebury Honors Program

Handwritten signature of Kathey Walker in black ink.

Kathey Walker
Administrative Director, Attebury Honors Program

A Big Thank You to the
National Collegiate Honors Council
Proud Sponsor of the Great Plains Honors
Council Conference



NCHC Mission Statement

*To support and enhance the community of educational institutions,
professionals, and students who participate in collegiate Honors education
around the world.*

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 may wish to provide sign-up sheets for attendees requesting additional information, reprints, etc.
- 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 presentations 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 Student Presenters

Aguilez, Nidia	Oral	CC310	3:30-4:15pm
Abina, Rodolfo	Oral	CC310	5:40-6:50pm
Alaniz, III, Ignacio R.	Oral	CC221	4:20-5:20pm
Alderman, Christopher	Oral	CC221	4:20-5:20pm
Allison, Kiara	Oral	CC310	4:20-5:20pm
Almendarez, Andrea	Poster	Easel 1	Friday, 5:45 pm
Austin, Amanda	Poster	Easel 2	Friday, 5:45 pm
Austin, Andrew	Oral	CC310	4:20-5:20pm
Avina, Brenda	Poster	Easel 3	Friday, 5:45 pm
Ballesteros, Stefano	Oral	CC312	4:20-5:20pm
Bateman, Neil	Oral	CC307	5:40-6:50pm
Bates, Toni	Oral	CC307	3:30-4:15pm
Bell, Judi	Oral	CC312	4:20-5:20pm
Bennett, Victoria	Oral	CC221	3:30-4:15pm
Berry, Quinton	Oral	CC312	3:30-4:15pm
Billups, Sean	Oral	CC306	4:20-5:20pm
Bingham, Adrienna	Poster	Easel 4	Friday, 5:45 pm
Bonggot, Karen	Oral	CC221	5:40-6:50pm
Brundrett, John	Oral	CC306	4:20-5:20pm
Bullard, Halle	Oral	CC314	3:30-4:15pm
Bupp, Hayley	Oral	CC308	4:20-5:20pm
Campbell, Nic	Oral	CC310	5:40-6:50pm
Cartmell, Rachel	Oral	CC221	3:30-4:15pm
Carver, Krista	Oral	CC221	4:20-5:20pm
Castillo, Jeff	Poster	Easel 6	Friday, 5:45 pm
Chavez, Cynthia	Poster	Easel 7	Friday, 5:45 pm
Cochran, Kelly	Poster	Easel 8	Friday, 5:45 pm
Coe, Sarah	Oral	CC227	5:40-6:50pm
Covington, Hannah	Oral	CC310	4:20-5:20pm
Davidson, Madison	Oral	CC306	3:30-4:15pm
Davidson, Michael	Oral	CC224	3:30-4:15pm
De La Cruz, Adriana	Oral	CC227	3:30-4:15pm
Denham, Aimee	Oral	CC308	3:30-4:15pm
Dew, Abigail	Oral	CC312	4:20-5:20pm
Dickenson, Emily	Poster	Easel 9	Friday, 5:45 pm
Douglas, Maggie	Poster	Easel 10	Friday, 5:45 pm
Duke, Amanda	Oral	CC221	3:30-4:15pm
Duncan, Sarah	Poster	Easel 11	Friday, 5:45 pm
Duncan, Tiffany	Poster	Easel 12	Friday, 5:45 pm
Durant, Amy	Oral	CC307	4:20-5:20pm
Elder, Seth	Oral	CC221	5:40-6:50pm

Eldridge, Austin	Oral	Legacy Hall	1:45-3:15pm
Estep, Amanda	Poster	Easel 13	Friday, 5:45 pm
Ferguson, Abigail	Oral	CC310	4:20-5:20pm
Fish, Kaitlynn	Oral	CC225	4:20-5:20pm
Fluharty, Taylor	Poster	Easel 14	Friday, 5:45 pm
Garcia, Tanya	Oral	CC227	3:30-4:15pm
Gardner, Deanna	Poster	Easel 15	Friday, 5:45 pm
Garza, Thomas	Poster	Easel 5	Friday, 5:45 pm
Gonzales, Nancy	Oral	CC223	4:20-5:20
Gonzalez, Victor	Oral	CC309	3:30-4:15pm
Gray, Amanda	Poster	Easel 16	Friday, 5:45 pm
Griffin, Noah	Poster	Easel 17	Friday, 5:45 pm
Guyer, Cole	Poster	Easel 18	Friday, 5:45 pm
Gwartney, Matt	Poster	Easel 19	Friday, 5:45 pm
Hadwal, Joseph	Oral	CC307	4:20-5:20pm
Haggerton, Halee	Oral	CC227	5:40-6:50pm
Hall, Lisa	Oral	CC227	5:40-6:50pm
Harrington, Sarah	Poster	Easel 20	Friday, 5:45 pm
Harris, Michelle	Oral	CC308	4:20-5:20pm
Hartman, Megan	Poster	Easel 21	Friday, 5:45 pm
Harton, Jon	Poster	Easel 22	Friday, 5:45 pm
Herbelin, Michelle	Oral	Legacy Hall	1:45-3:15pm
Hermann, Corrinne	Poster	Easel 23	Friday, 5:45 pm
Hernandez, Giancarlo	Oral	CC225	5:40-6:50pm
Hesse, Lucy	Oral	Legacy Hall	1:45-3:15pm
Hossenlopp, Cassady	Oral	Legacy Hall	1:45-3:15pm
Huitema, Ricky	Poster	Easel 24	Friday, 5:45 pm
Hummel, Darnelle	Oral	CC224	3:30-4:15pm
Jackson, Misty	Oral	CC309	4:20-5:20pm
Jennings, Caroline	Oral	Legacy Hall	1:45-3:15pm
Jensen, Victoria	Poster	Easel 25	Friday, 5:45 pm
Jiangyue, Gong	Oral	CC308	4:20-5:20pm
Johnson, Brad	Oral	CC307	5:40-6:50pm
Jones, Haylie	Poster	Easel 26	Friday, 5:45 pm
Jordan, Matthew	Poster	Easel 27	Friday, 5:45 pm
Keneally, Alyssa	Poster	Easel 28	Friday, 5:45 pm
Kimball, Brock	Oral	CC307	3:30-4:15pm
Kirby, Dylan	Oral	CC225	4:20-5:20pm
Knox, Duncan	Oral	CC308	3:30-4:15pm
Kwi, Emilienne	Poster	Easel 29	Friday, 5:45 pm
L'Angloins, Roxy	Oral	CC307	5:40-6:50pm
LaPlante, Ethan	Poster	Easel 30	Friday, 5:45 pm
Larios, Elizabeth	Oral	CC306	3:30-4:15pm

Lauersdorf, Cheryl	Oral	CC312	3:30-4:15pm
Leme, Alexandro	Oral	CC312	4:20-5:20pm
Lloyd, Tonya	Oral	CC306	3:30-4:15pm
Logsdon, Joshua	Oral	CC307	4:20-5:20pm
Lombard, Ryan	Poster	Easel 31	Friday, 5:45 pm
Macha, Darby	Poster	Easel 32	Friday, 5:45 pm
Matos, Mary Anne	Oral	CC224	5:40-6:50pm
McCracken, Blake	Poster	Easel 33	Friday, 5:45 pm
McCrary, J. Keegan	Oral	CC225	5:40-6:50pm
Medlin, Selah	Poster	Easel 34	Friday, 5:45 pm
Merts, Stephanie	Poster	Easel 35	Friday, 5:45 pm
Michaud, Yvonne	Oral	CC308	5:40-6:50pm
Mikes, Colton	Oral	CC307	3:30-4:15pm
Miles, Holly	Oral	CC223	4:20-5:20
Miller, Leah Oldmixon	Oral	CC221	4:20-5:20pm
Miyatake, Shunya	Oral	CC225	5:40-6:50pm
Moore, Amber	Oral	CC306	4:20-5:20pm
Moore, Caleb	Oral	CC312	3:30-4:15pm
Mosier-Dubinsky, Joy	Oral	CC224	5:40-6:50pm
Motl, Sean	Oral	CC308	4:20-5:20pm
Musgrove, Hannah	Oral	CC225	3:30-4:15pm
Nafees, Saba	Poster	Easel 36	Friday, 5:45 pm
Orman, Ben	Oral	CC310	3:30-4:15pm
Osceola Data, Condule	Oral	CC308	5:40-6:50pm
Parish, Cody	Oral	CC225	4:20-5:20pm
Parker, Emily	Oral	CC221	5:40-6:50pm
Perkins, Angela	Poster	Easel 37	Friday, 5:45 pm
Pool, Weston	Poster	Easel 38	Friday, 5:45 pm
Porras, Jessica	Oral	CC310	5:40-6:50pm
Pugh, George-Thomas	Oral	CC225	3:30-4:15pm
Rahnama, Kia	Oral	CC309	3:30-4:15pm
Remo, Sonia	Poster	Easel 39	Friday, 5:45 pm
Reyes, Martha	Oral	CC225	3:30-4:15pm
Ridings, Rebecca	Poster	Easel 40	Friday, 5:45 pm
Robinson, Andrew	Oral	CC307	5:40-6:50pm
Rodriguez, Carolina	Oral	CC223	4:20-5:20
Rosales, Miguel	Poster	Easel 41	Friday, 5:45 pm
Sandoval, Anna	Oral	CC310	5:40-6:50pm
Santos, David	Oral	CC221	5:40-6:50pm
Savage, Heather	Oral	CC314	3:30-4:15pm
Schuetz, Geoffrey	Oral	CC308	5:40-6:50pm
Screws, Aaron	Poster	Easel 42	Friday, 5:45 pm
Selover, Brooke	Oral	CC309	4:20-5:20pm

Serio, Tara	Oral	CC308	3:30-4:15pm
Silkett, Kayli	Poster	Easel 43	Friday, 5:45 pm
Skopp, Wesley	Oral	CC306	4:20-5:20pm
Smith, Analiese	Oral	CC310	5:40-6:50pm
Snook, Jordan	Poster	Easel 44	Friday, 5:45 pm
Storck, Ian	Poster	Easel 45	Friday, 5:45 pm
Summerlin, Rachel	Oral	CC307	5:40-6:50pm
Sweet, Vanessa	Oral	CC309	4:20-5:20pm
Swenson, Erin	Oral	CC307	4:20-5:20pm
Talaska, Baylee	Poster	Easel 46	Friday, 5:45 pm
Tate, Adam	Poster	Easel 47	Friday, 5:45 pm
Thurman, Audra	Oral	CC224	3:30-4:15pm
Traxler, Tara	Oral	CC310	3:30-4:15pm
Valle, Tomas	Poster	Easel 48	Friday, 5:45 pm
Vallejo-Gutierrez, Santiago	Oral	CC308	5:40-6:50pm
Wadsack, Josiah	Oral	CC223	4:20-5:20
Wagoner, Clinton	Poster	Easel 49	Friday, 5:45 pm
Warren, Laticia	Oral	Legacy Hall	1:45-3:15pm
Weeden, Matthew	Poster	Easel 50	Friday, 5:45 pm
Wegner, Sabrina	Poster	Easel 51	Friday, 5:45 pm
Wells, Andrea N.	Oral	CC314	3:30-4:15pm
Wells, Jennifer	Oral	CC224	5:40-6:50pm
Williams, Amanda	Oral	CC227	3:30-4:15pm
Wilson, Derek	Poster	Easel 52	Friday, 5:45 pm
Witcher, Bethany	Oral	CC309	4:20-5:20pm
Withrow, Kayla	Poster	Easel 53	Friday, 5:45 pm
Wood, Megan	Poster	Easel 54	Friday, 5:45 pm
Yolland, Allyson	Oral	CC309	3:30-4:15pm
Young, Michael	Oral	CC224	5:40-6:50pm

Posters: Student Abstracts

Poster Session: Friday 5:45, Easel 1	Location: Ambassador Hotel Atrium
Presenter(s): ALMENDAREZ, ANDREA	University: Texas A&M International University
Title: Comparative Factors in National Stability	
<p>Abstract: The United Nations has done a great job in creating stability in the world. By using the United Nations as a foundation, I will compare and contrast several countries by using categories such as political system, religion, and geography. My research will reflect the country's correlation to involvement in wars and the countries' responses to global issues. The countries chosen will range from poorly developed countries to highly developed countries. My goal is to identify a country as neutral versus war-ridden or in between. I will attempt to find whether the country's involvement stems from its geography, its society, or the government by organizing the country according to its region.</p>	
Poster Session: Friday 5:45, Easel 2	Location: Ambassador Hotel Atrium
Presenter(s): AUSTIN, AMANDA	University: West Texas A&M University
Title: Business Plan: Jumping Horse Training and Sales	
<p>Abstract: AAustin Texas Sporthorses is multifaceted horse training, showing, and sales business dedicated to providing the show jumping community with quality horses for riders looking to become competitive at the higher levels of jumping, as well as providing outside horses with a solid foundation of training, with improvement upon existing training, or with increased training with regards to jumping. The goal is for the horses that are being sold to compete at the Low and High Schooling levels of USEF A-Rated shows, and to serve riders who are looking to further their horse's training, but who cannot themselves make such improvements in their horses. This training of outside horses will generate income to facilitate the day-to-day operations of the business, covering overhead costs such as facility rental and feed for horses, while the purchase and sale of trained jumpers will facilitate the actual growth of the business, with the goal being to purchase reasonably priced horses and increase their value quickly through proper training for a high turnover rate.</p>	
Poster Session: Friday 5:45, Easel 3	Location: Ambassador Hotel Atrium
Presenter(s): AVINA, BRENDA	University: McLennan Community College
Title: A scientific research on Wolbachia and its affect on the Waco Isopod population	
<p>Abstract: Wolbachia is a bacteria that affects over 60% of all arthropods. The Wolbachia bacteria are particularly interesting because Wolbachia has the ability to change its host's sex. Early research on the bacteria Wolbachia is known to cause River Blindness, and more recent research has shown that Wolbachia may be able to cure Dengue Fever. Apart from causing or curing diseases, Wolbachia may be the cause for irregular sex ratios in invertebrates, such as Isopods. Irregular sex ratios in the Isopod population may lead to other problems within the natural community. In order to continue its survival, Wolbachia infect the female eggs, thus infecting the next generation, leaving the male population extremely low, and stressing the population. This poses new questions to ask: Traditionally, females are more careful to choose their mates, as they carry the offspring. However, could Wolbachia be forcing a change in mate attraction and selection? Are male arthropods switching roles with female arthropods and becoming the choosy partner as a means to hinder the offspring from carrying the Wolbachia bacteria? Collecting live specimens of Isopods in Waco, and separating the male from female Isopods may result in learning if the Wolbachia bacteria are present in the Isopod community and, more importantly, if the bacteria are impacting the Isopods in Waco. The goal is to gain more knowledge and understanding of Wolbachia and its impact in this community.</p>	
Poster Session: Friday 5:45, Easel 4	Location: Ambassador Hotel Atrium
Presenter(s): BINGHAM, ADRIENNA	University: Angelo State University
Title: Epidemic Models: Controlling Pest Populations with Vertical Transmission and Sterilizing Pathogens	
<p>Abstract: This poster analyzes the effect of full vertical transmission in several epidemic models involving infectious diseases that cause sterilization in the infected hosts. Under certain conditions on the parameters, we found that the sterilization effect may prevent a susceptible extinction situatuion regardless of how large the infection rate may be. This effect is studied under several functional forms for the infection transmission term in order to assess its robustness. The implication in pest control measures is also discussed.</p>	

Poster Session: Friday 5:45, Easel 6	Location: Ambassador Hotel Atrium
Presenter(s): CASTILLO, JEFF	University: West Texas A&M University
Title: The Attitudes of Student Nurses Towards Obesity and Obese Patients	
<p>Abstract: The obesity epidemic is widespread throughout the United States with over thirty-five percent of Americans being obese according to the CDC. The biggest complications of obesity are the increased risk of diseases including diabetes, stroke, and heart disease. Another unexplored question related to obesity is the extent to which healthcare professionals' own attitudes about obesity and obese patients may contribute to the management of their health problems. With the obesity epidemic and social stigma obese people endure, the potential for unequal treatment by healthcare professionals and in particular, registered nurses, is a problem worthy of research attention. This study aims to describe RN students' attitudes towards obesity and obese patients using the Nurses' Attitudes Toward Obesity and Obese Patients Scale (NATOOPS) in a West Texas nursing school. The visual analogue scale is used to measure the attitudes of the surveyed by the measurement (mm) of the mark 0-100. The higher the measurement, the more often the surveyed agrees with the question. When asked if the nurse would prefer not to care for obese adult patients, (n=97) 27.1% measured <25mm and 29.2% measures 75>mm. When asked if obesity was a matter of lifestyle, (n=98) 1% measured <25mm and 44% measured 75>mm.</p>	
Poster Session: Friday 5:45, Easel 7	Location: Ambassador Hotel Atrium
Presenter(s): CHAVEZ, CYNTHIA	University: Rose State College
Title: Allometric Relationships in Organisms and their Environments	
<p>Abstract: My poster is about allometric relationships which is the study of how an organism's body size and shape react with its environment such as, heat exchange between an organism and the environment. The surface to volume ratios allows the organism to either retain heat or lose heat. To demonstrate this I have conducted an experiment of how surface to volume ratio influences heat exchange in various sizes of beetles. I will include pictures of the experiment set up along with a brief background of each beetle and the results displaying the average time and mass of each beetle in which it took the beetles to react to the heat of lamp after being refrigerated for 20 minutes and overnighed. The data will display how the smaller beetles would be the first to react because they have a larger surface area helping them absorb heat from their surrounding at a faster rate.</p>	
Poster Session: Friday 5:45, Easel 8	Location: Ambassador Hotel Atrium
Presenter(s): COCHRAN, KELLY	University: Missouri Western State University
Title: Tweeting #Jesus: How the evolution of digital technology has helped the Christian relationship with God	
<p>Abstract: Fifty-four Christians, between the ages of 18 and 83 years old and from fifteen different religious denominations, were surveyed to test the effect of the evolution of digital technology on Christian spirituality in the minds of modern Christians. This poster combines survey results and an extensive collection of research on how the advancement of digital technology has affected the individual Christian, Christian churches, and communication between Christians and non-Christians around the world. This study explores how the Internet, social networking, Bible apps, direct deposit tithes, projector screens, P.A. "Public Address" systems, and electronic prayer chains have connected Christians to their God, believers to each other, and open-minded people to those with opposing belief systems. With an overwhelming compilation of statistical data and participants' written responses, I have determined that this technological evolution has helped the Christian relationship with God in the minds of today's Christians.</p>	
Poster Session: Friday 5:45, Easel 9	Location: Ambassador Hotel Atrium
Presenter(s): DICKENSON, EMILY	University: The University of Texas at Tyler
Title: Digital curation and its implications on academic honesty in higher education	
<p>Abstract: With increasing amounts of data being created in digital format, existing analogue information must be protected from technological obsolescence (Abbott, 2008). To accomplish this, researchers are turning to digital curation, a process that preserves collections and databases while adding a degree of value to the material (Beagrie, 2006). It encourages the use of tools to migrate data and metadata to ensure the information remains meaningful to users. University researchers have begun using digital curation to share data much sooner than with analogue information, and the use of common standards within metadata have led to more scholastic opportunities for collaboration (Abbott, 2008). However, it is possible that efforts to utilize digital curation could become counterproductive because they compromise academic honesty (Lynch, 2003). Data ownership is complex as no individual holds exclusive rights to materials. Managing these rights can be challenging, threatening the authenticity of the record; i.e. allowing a technologically savvy student to manipulate an article (Pennock, 2006). The introduction of digital repositories into institutes of higher education presents a critical need for The University of Texas at Tyler to ensure academic honesty. This poster will explain how, through academic policies already in place and proposed initiatives, data can be effectively preserved and the scholarship of our university maintained.</p>	

Poster Session: Friday 5:45, Easel 10	Location: Ambassador Hotel Atrium
Presenter(s): DOUGLAS, MAGGIE	University: Tarrant County College, NW
Title: Who Killed Kenn(ed)y?	
<p>Abstract: I have coined the phrase "history crush" to define my fascination with John F. Kennedy (both his life and his death). I am quite fluent in the language of his assassination, having researched out of earnest interest several facets of the topic: The various conspiracy theories and their fishy but inconsistent facts, as well as the modern relevance of the 1963 assassination. After composing an extensive essay on the topic for English last semester (and earning an A for it), I hope to convert my research into a poster to present at the Great Plains Honors Conference in April. My poster would consist of a fact sheet about the thirty-fifth president and outlines of the various standing theories surrounding his demise; I also have pages of information about Lee Harvey Oswald to include. I would list facts that make each theory seem likely as well as reasons why the theory doesn't quite line up. I even have a bank of photographs to complement the research. Though perhaps not as "academic" as research about stem cell research or GMOs, or euthanasia or hydraulic fracturing, Kennedy is a standing legend in our country's history and the weight of his absence is still felt fifty years later. I hope you will consider my topic for the GPHC.</p>	
Poster Session: Friday 5:45, Easel 12	Location: Ambassador Hotel Atrium
Presenter(s): DUNCAN, TIFFANY	University: Tarrant County College- Northwest Campus
Title: You Are What You Wear: Conversation in Clothing	
<p>Abstract: Picture yourself in room where it's just you and another person whom you have never met. Each of you begins to speak to each other and realize you do not speak the same language. How can you communicate with this character; how can you "get to know who they are"? Communication encompasses more than just the spoken word: Tiffany Duncan has realized that clothing itself works as a visual beginning of conversation. What is being articulated to you through the clothing choice of the people that draw your attention? When you look in the mirror at yourself what conversation are you inviting others into when they see you? Duncan has many times asked these questions as she begins to realize that the fashion industry is more than a place of free expression but is an open forum of created speech that is visually identified and communicated. Given this opportunity, Duncan will explore how we speak with our choice of clothing, what conversations we buy into in the realm of marketing, and how clothing becomes the voice for that which we sometimes cannot express. Through the viewpoints that are given by the historical, sociological, and psychological lenses, Duncan will further research this concept. Through past and present examples she will support the ideal that clothing is indeed a way to communicate the state a given time period, the state of the individuals, and the state of society as a whole.</p>	
Poster Session: Friday 5:45, Easel 11	Location: Ambassador Hotel Atrium
Presenter(s): DUNCAN, SARAH	University: Tarrant County College NW
Title: In All Modesty	
<p>Abstract: In the mid-nineteenth century, the ideology of separate spheres for males and females was represented and reinforced by clothing. Feminists, recognizing the effects of the ideology on the woman's identity, called attention to dress as a hindrance to women's full involvement in society and their freedom to choose their own course in life; dress reform was thus added to the plethora of changes that needed to be made in order to provide the woman with the freedom and identity they believed she so deserved. In the process of doing so, however, modesty was demoted to an inferior value in American culture. As the divide between what modesty denotes to the individual, to various religious sects, and to society collectively becomes more evident, In All Modesty examines the crossover between religious ideals of modesty and the humanistic ideal of creating the self through behavior, speech, and (more identifiably) through appearance.</p>	
Poster Session: Friday 5:45, Easel 13	Location: Ambassador Hotel Atrium
Presenter(s): ESTEP, AMANDA	University: Missouri Western State University
Title: Is Facebook the New Shrink?: An Analysis of the Effects of Digital Technology on Self-Esteem	
<p>Abstract: We are tearing down our peers and killing their self-esteems in ways we never could before. We did not have to worry about technology affecting the way people saw themselves. In my study, 67% of digital natives said their mood affects the amount of time they spend on social media, whereas 81% of digital immigrants said it doesn't. 81% of digital natives said they feel more confident when talking on social media rather than face-to-face. This could allow them to feel more comfortable to bully someone online. Also, our society has developed a narcissistic attitude. We feel as if everyone needs to know every dirty little secret of our lives as well as everything we do no matter how small the activity is. We have incorporated technology into every aspect of our everyday lives. We do not know how to function without our technology. What would happen if all our digital technology were to disappear? Would we still be able to communicate with others? What would we think about ourselves if no one else were able to comment on our lives? Our self-esteems would plummet because we would have nothing to base our opinions on. We would all fall apart.</p>	

Poster Session: Friday 5:45, Easel 14	Location: Ambassador Hotel Atrium
Presenter(s): FLUHARTY, TAYLOR	University: Missouri Western State University
Title: The 21st Century Classroom: Influences and Application of Educational Technology	
<p>Abstract: With a world of information at their fingertips in today's world, students are struggling to connect in a 20th Century classroom. To transform the education process, schools are being pressured to invest in the latest technology. The technology industry has jumped at this push for education resources. Marketing committees claim that these new technological resources are the key to increasing test scores to meet state standards. Although in order to successfully transform the 21st Century classroom, state and nation-wide legislation pushing technology into curricula must be revised according to new test scores; marketing committees and the manufacturing world must reevaluate their products to maximize learning in the classroom; and teachers must be trained to teach through technology properly and efficiently with the right methods. Once these changes are made, then the success of integration of technology into classrooms can be tested.</p>	
Poster Session: Friday 5:45, Easel 15	Location: Ambassador Hotel Atrium
Presenter(s): GARDNER, DEANNA	University: Alvin Community College
Title: Down to Earth	
<p>Abstract: By attaching a digital camera to a telescope, numerous digital pictures were taken of various celestial bodies such as star clusters and nebulas. This project describes the procedure that was taken to successfully and unsuccessfully capture images of the masses that inhabit outer space.</p>	
Poster Session: Friday 5:45, Easel 5	Location: Ambassador Hotel Atrium
Presenter(s): GARZA, THOMAS	University: San Jacinto College North
Title:	
<p>Abstract: A computer program that will help Calculus students solve homework problems that involve vectors has been created. This is an interdisciplinary project that is combining programming knowledge with mathematics. In order to illustrate the project, programming challenges will be discussed. Finally, there will be a demonstration of its ability to perform as designed.</p>	
Poster Session: Friday 5:45, Easel 16	Location: Ambassador Hotel Atrium
Presenter(s): GRAY, AMANDA	University: Texas Tech University
Title: Effectiveness of MDSA on Pseudomonas aeruginosa and Staphylococcus aureus biofilm production: analysis using a three-dimensional wound biofilm model	
<p>Abstract: Chronic wounds, including diabetic ulcers and non-healing surgical wounds, may be colonized by different gram-positive and gram-negative pathogens. Bacterial pathogens within the infected wound produce an exopolysaccharide matrix (biofilm) that protects them from the effect of the host immune system and topical antibiotics. Beside the biofilm, wound pathogens may penetrate and infect underlying muscles and connective tissues. Therefore, standard wound treatments, which include debridement of the infected tissues and application of antibiotic, may fail to eliminate these pathogens within the wound underlying tissues. Among the different wound pathogens, the gram negative <i>Pseudomonas aeruginosa</i> and the gram positive <i>Staphylococcus aureus</i> are the most frequently isolated. The resistance of these two pathogens to most available antibiotics necessitates the search for alternative antimicrobial agents. In this study, we utilized our in vitro three dimensional wound biofilm model (3-D WBM) to examine the effectiveness of the recently developed antimicrobial agents, Microbial Defense System Agents (MDSA). MDSA is designed to penetrate the biofilm first then kill the planktonic (individual) bacteria within the biofilm.</p>	
Poster Session: Friday 5:45, Easel 17	Location: Ambassador Hotel Atrium
Presenter(s): GRIFFIN, NOAH	University: Northeast Texas Community College
Title: Morris Sheppard: Rhetorical Strategist of Prohibition	
<p>Abstract: Prohibition represented perhaps the greatest legal success of moral reform in American history. Other monumental causes such as the Revolution, the Union, and Civil Rights depended on rhetorical leaders such as Patrick Henry, Abraham Lincoln, and Martin Luther King to sway the American people. Prohibition had its spokesman as well, Morris Sheppard, a Texas Senator. From today's perspective of Prohibition as a "failed experiment," it is easy to forget that in order for that "experiment" to have ever been realized, Americans had to hold astonishing trust and regard for the cause. This trust was predominately brought about through the efforts of Morris Sheppard. When one considers the radical, "up-against-the-gradient" character of Prohibition, and its status as the one amendment that actually diminished liberty, we can begin to appreciate the feat that has been blotted out by the failure. Historians have largely missed the fact that Sheppard was one of the great rhetorical geniuses of American history. In my poster I show how Morris Sheppard effectively led America in one of the most unlikely schemes to ever succeed. I explore and discuss the techniques he utilized to "arrest attention," and "moralize politics." I show how histories of prohibition have systematically deemphasized his talent for effective communication. More importantly, I show the significance of his communicative genius.</p>	

Poster Session: Friday 5:45, Easel 18	Location: Ambassador Hotel Atrium
Presenter(s): GUYER, COLE	University: West Texas A&M University
Title: Retractable Front License Plate System	
<p>Abstract: Appearance in today's society is becoming ever more important to individuals. This can be seen in the increasing attention placed on the style and performance of vehicles driven. Many car owners take their vehicles to races or shows to compete against others with their "everyday driver" cars. However, some states such as Texas require a front license plate to be displayed while on public roadways. When these car owners take their vehicle to shows the displayed license plate becomes an eye sore and degrades from the scoring of judges. For car owners that take their car to the track for legal races, the license plate creates unnecessary drag, reducing performance. Overall, individuals do not solely use their vehicles on public roadways which require a plate to be displayed. Some states do not require front license plates to be displayed. For individuals that travel across state lines, efficiency could be increased by allowing the user to retract the plate upon crossing the state line and reduce drag in their vehicle. The design project is an aftermarket universal retractable license plate mount. This system would need to be designed with the following parameters: universal mount, user friendly installation, low profile, retractable, powered by existing vehicle power system, able to withstand high speeds (< 200mph), cabin control, durability with exposure to possible road conditions (high temps, ice, water, dirt, ect.), and low cost (< \$200).</p>	
Poster Session: Friday 5:45, Easel 19	Location: Ambassador Hotel Atrium
Presenter(s): GWARTNEY, MATT	University: John Brown University
Title: Attitudes of Christian College Students Toward Conduct Requirement Contracts	
<p>Abstract: At many Christian universities and colleges in the United States, student behavior is regulated by the use of conduct requirement contracts. These contracts list forbidden behaviors and often connect them with spiritual maturity. Studies by Hopkins et al. (2004) and Strawser, Storch, Geffken, Killiany, and Baumeister (2004) show that while Christian students do not engage in these behaviors at the same levels as their non-Christian counterparts, they still participate in these undesired behaviors at levels that are concerning for student development officials. This study measures student participation in the aforementioned forbidden activities as well as spiritual maturity, as assessed by the Faith Maturity Scale, and identifies, through a semi-structured interview, common attitudes expressed by 13 students at a small Evangelical Christian university. Seventy-two students participated in the survey portion of the study; of those, eight seniors, two juniors, two sophomores, and one freshman were interviewed. Spiritual maturity was neither positively nor negatively correlated with engagement in the behaviors commonly forbidden by conduct requirement contracts. Students commonly expressed a frustration towards the lack of dialogue from university administrators. Several participants believed that conduct requirement contracts inherently hinder campus community by creating an environment of secrecy and encouraging students to hide their struggles.</p>	
Poster Session: Friday 5:45, Easel 20	Location: Ambassador Hotel Atrium
Presenter(s): HARRINGTON, SARAH	University: Emporia State University
Title: TENDINITIS AND THE ALEXANDER TECHNIQUE: CAUSES, EFFECTS AND TREATMENT OPTIONS FOR MUSICIANS	
<p>Abstract: Playing injuries are becoming more common among musicians, especially string players. Ignorance of stress in the body, harmful playing habits, and misuse of muscles are the main causes of tendinitis, one of the major playing injuries that musicians face. Through awareness, inhibition, and direction, the three main principles of the Alexander technique, musicians can avoid career-threatening injuries and improve their playing technique. This involves being aware of stress and tension in the body, inhibiting the action that is causing it, and directing the body towards a new, less stressful way of motion. The thought/action link is the idea that one can control the body through one's thoughts. Correct posture, along with the thought/action link, forms the basis of this technique; that once one achieves the perfect head-neck position, the body is balanced and stress-free. Eliminating stress decreases the risk of injury. Benefits of a stress-free playing technique for a musician include improved stage presence, ease of movement, sharp focus, sensory and bodily awareness, and relieved performance anxiety. In conclusion, musicians learn the Alexander technique because better management of the instrument is a result of better management of the body.</p>	

Poster Session: Friday 5:45, Easel 21	Location: Ambassador Hotel Atrium
Presenter(s): HARTMAN, MEGAN	University: West Texas A&M University
Title: Impact of Engineering Learning Communities	
<p>Abstract: Universities are always searching for ways to improve outcomes for first year students. Learning communities are one possible solution. Engineering learning communities are set up when an engineering course and a math course are linked; that is, the same students are enrolled in both of these classes simultaneously. Through this, a learning community is formed – students become familiar with their classmates, in the hopes of easing the formation of study groups and lessening students’ fears to ask questions in and out of class. WTAMU initiated engineering learning communities in Fall 2007 with first semester engineering students, linking Fundamentals of Engineering with PreCalculus I or Calculus I, and was later expanded to include a second linked semester with Calculus II and Engineering Statics. This study uses propensity score analysis to evaluate the impact of these engineering learning communities on students in regards to a student’s retention rate as an engineering student, in the STEM field, and at the university. Using the four various methods, a matched comparison is created, allowing for comparison of retention rates. Four propensity score analysis methods – Stratification Matching, Nearest Neighbor Matching, Radius Matching, and Kernel Matching – all have different tradeoffs between quality and quantity of the matches, so a joint consideration of them assists the quest to obtain the most unbiased comparison possible.</p>	
Poster Session: Friday 5:45, Easel 22	Location: Ambassador Hotel Atrium
Presenter(s): HARTON, JON	University: West Texas A&M University
Title: Increased predator efficiency in inbred predator-prey population models	
<p>Abstract: Conservation biology has received much interest in recent years as the threat of extinction of small animal populations has become a major concern in the world today. Much of existing research has been devoted to the idea of a threshold population size above which the risk of extinction is unlikely to occur. In small populations the loss of genetic diversity is often listed as the primary factor for the result of extinction. This loss of genetic diversity is due to inbreeding, whether caused by a species landlocked, experiencing a population bottleneck, or considered scientifically small in size. Previous models, conducted by Hartt and Haefner, have addressed inbreeding depression by assuming the net birthrate of the inbred population is a linear function of an inbreeding coefficient. This research seeks to expand upon those models by suggesting that in a predator-prey population with an inbred prey, the efficiency of the predator will be affected by the level of inbreeding in the prey population. Further analysis of mathematical models was conducted to verify that increased levels of inbreeding in one population can affect the survival of a distinct separate threatened species as well.</p>	
Poster Session: Friday 5:45, Easel 23	Location: Ambassador Hotel Atrium
Presenter(s): HERMANN, CORRINNE	University: Texas A&M University-Commerce
Title: Music Education Majors' Preparation in Special Education	
<p>Abstract: Typically, students studying to become music teachers lack training that would enable them to deal more effectively with special needs students. In fact, most music education curricula do not require students to complete on teaching students with disabilities. This study included three research questions: (a) How prepared do music education majors perceive themselves to be? (b) How do music education majors rate themselves on items included in the Texas state requirements? (c) What additional information would the music education majors like to know? The researcher disseminated a survey instrument that required participants to answer using a Likert scale and to provide brief answers to open-ended questions. The researcher also conducted interviews that gleaned more in-depth answers than the survey responses. Results showed that participants perceived themselves to be unprepared to teach students with disabilities and that participants felt most prepared in promoting students' performance. Additionally, participants felt least prepared in their knowledge and understanding of assistive technology and assessment. The researcher created a resource manual and presented a workshop for participants following the collection of the survey and interview data.</p>	
Poster Session: Friday 5:45, Easel 24	Location: Ambassador Hotel Atrium
Presenter(s): HUITEMA, RICKY	University: Northeast Texas Community College
Title: Virtuous Insubordination: Anti-Authoritarianism in Texas Politics	
<p>Abstract: Texas has a unique political history. Unlike each of America's original thirteen colonies, and Mexico, the state's movement for independence did not involve a substantial dualism between patriots and loyalists. Then, from the state's "redemption" in 1870 until the defeat of Ann Richards in 1994, Texas was a solidly Democratic state with super-majorities given to gubernatorial candidates such as Sul Ross, and Alan Shivers. Finally since 1994, Texas has switched over into a conservative-Republican pattern, and no Democrat has been elected to a major state office since that point. Why has such a large state managed to exhibit such powerful signs of consensus? I will argue that in each case, a "culture of virtuous insubordination" helped guide Texan unanimity. By this, I do not mean that Texans are "virtuous," but that large blocs in the state regarded insubordination as virtuous. The tendency to demonize strong central governments explains a remarkable political pattern. Since its revolution and even before, Texans have rallied behind the premise of liberty. Many leaders have attempted to limit the liberties of the Texas people. The unity of Texas has become stronger as a group through the unison in opposition to the leaders that infringe on the Liberties granted them. Liberty has been deeply embedded into the culture of Texas. The mortal sin of authoritarianism has created a Texas consensus.</p>	

Poster Session: Friday 5:45, Easel 25	Location: Ambassador Hotel Atrium
Presenter(s): JENSEN, VICTORIA	University: Oral Roberts University
Title: Give and Take: Exchanges Between Thomas Nast and 19th Century Artists	
<p>Abstract: Credited for securing the multiple presidential elections and bringing down a corrupt political machine, cartoonist Thomas Nast wielded incredible political power during the late 19th century. But Nast was more than a propagandist, and his influence was not limited to politics; he played a significant role in the artistic community during his time. Nast drew inspiration from his contemporaries, borrowing methods and motifs from Gustave Dore, Honore Daumier, and Jean-Leon Gerome to create his cartoons. He also used numerous allusions to literature in his drawings. These clearly recognizable references allowed his audience to easily connect to his work and contributed to his viral success. Nast also lent inspiration and symbols to Vincent Van Gogh and Edgar Degas and was the source of some of their basic techniques and subjects. The French artists directly imitated some of Nast's scenes as they used his works as reference for their own. As these artists grew in popularity, Nast's influence spread, and it will continue to expand as a result of the artists he affected through his lasting works.</p>	
Poster Session: Friday 5:45, Easel 26	Location: Ambassador Hotel Atrium
Presenter(s): JONES, HAYLIE	University: Tarrant County College Northwest
Title: Pop Culture Insanity	
<p>Abstract: Recent events in America have brought issues of safety, gun control, and insanity to the attention of the citizens. Haylie Jones has always had an interest in criminal justice and psychology. Jones also knows that insanity is not a new issue in the United States. She will be exploring the psychology of the mentally insane, and the history of treatment. Jones' main focus will be on how insanity is portrayed in the media. Jones plans to analyze films such as One Flew Over the Cuckoo's Nest, Shutter Island, and Girl, Interrupted that focus on characters in a mental institution. Jones will look for similarities and changes of how the mentally insane are presented and received through popular culture over time. Jones believes that these perceptions have direct implications in the real world and how the mentally insane have been treated throughout history and today.</p>	
Poster Session: Friday 5:45, Easel 27	Location: Ambassador Hotel Atrium
Presenter(s): JORDAN, MATTHEW	University: Northeast Texas Community College
Title: Displaying the Treasures of the Caddo	
<p>Abstract: The Caddo are the most recent and important Indian tribe we know of from the region sometimes described today as the "Arklatex," the area where Arkansas, Louisiana, and Texas come together. Of this legacy, Caddo pottery remains the longest-lasting, most artistic and refined set of artifacts that we have to examine this mysterious culture. My poster describes a successful grant proposal submitted by our honors team of four students to display the treasures of Caddo pottery. Our concern was to allow viewers to appreciate the remarkable nuances and technology inherent in what many would classify as simple objects. The significance of displaying the Caddo pottery is to inform the public about the culture of the Caddo Indian tribe, a culture that demonstrated and concentrated its values in a simple medium. The goal is to educate the general public of the incredible design and function of these native artifacts that have survived over multiple decades. Our college is situated in the heart of the traditional Caddo homeland, which makes the college the perfect venue for a Caddo museum.</p>	
Poster Session: Friday 5:45, Easel 28	Location: Ambassador Hotel Atrium
Presenter(s): KENEALLY, ALYSSA	University: Missouri Western State University
Title: Digital Immigrants are Happier as Digital Natives	
<p>Abstract: This poster shows the outcome of a sixty person survey involving technology use and effectiveness of said technology. The surveyed consisted of sixty people over the age of thirty. Over half of the involved are over fifty. The findings are astonishing. All results find that the more technology you use, the happier you will be.</p>	
Poster Session: Friday 5:45, Easel 29	Location: Ambassador Hotel Atrium
Presenter(s): KWI, EMILIE	University: Midwestern State University
Title: Discovery Cameroon	
<p>Abstract: Twenty million inhabitants, amount the size of California, Cameroon is a bilingual country located along the coast of central Africa. It is known around the world as the country with excellent soccer players, but there is so much in this democratic country the world is yet to know. After going through troubling times in the colonial periods and ending up with three different colonial masters, Cameroon has come a long way to the "freedom" that it has today. With more than 260 tribes with each tribe having a distinct dialect, the diversity of Cameroon is yet to be fully discovered. Not only is Cameroon located along the equator, but it is blessed with natural resources which include crude oil, natural gas, rainforest, and the Atlantic Ocean. Cameroon also produces its own electricity from naturally occurring dams. With such resources, one would expect Cameroon to follow, financially, in the path of other small countries blessed with abundant natural resources like Brunei. But this has never been the case. 39% of Cameroonians still live in poverty and less than 50% of the population can afford education. With the present head of state now ruling for his 31st year, the democratic country is far from true democracy.</p>	

Poster Session: Friday 5:45, Easel 30	Location: Ambassador Hotel Atrium
Presenter(s): LAPLANTE, ETHAN	University: University of Texas at Tyler
Title: Modeling an Electrostatic-Elastic Membrane System	
<p>Abstract: This poster will discuss an electrostatic elastic membrane system. Our system involves an elastic membrane (a thin soap film), with a fixed circular boundary, as well as a fixed grounded plate being held at a zero potential. An electrical current runs through our circular boundary, causing the thin soap film layer to deflect towards the grounded plate. Of particular interest to us is the pull – in voltage, or the voltage which causes our soap film to contact the bottom plate. Using the forces acting upon our system, as given to us by Gauss’ law, and using the Euler – Lagrange equation, an advanced integration technique, a model was created in an attempt to explain this critical voltage. Though this system has been modeled previously, our goal was to provide a more in – depth understanding, assuming an undergraduate level in mathematics. The steady state solutions of our system are found. We examine these results numerically, as well as with phase plane analysis. Ultimately, we find that our analysis provides an excellent explanation for our experiment data.</p>	
Poster Session: Friday 5:45, Easel 31	Location: Ambassador Hotel Atrium
Presenter(s): LOMBARD, RYAN	University: Missouri Western State University
Title: A New Connection for Our Music Industry	
<p>Abstract: In my studies, I have explored the development of our music industry and its relation to technology. Throughout history, technology has greatly influenced the way artists (and companies) connect to their audience with their art. Today's industrial condition is fueled by a desire to connect because modern technology is so very conducive to it. The Internet created a completely new listening environment that has been met with excitement, cynicism, and everything in between. This new listening environment includes online distribution, online applications that use data analysis to provide listeners new but relevant music, and an interactive interface that allows users to participate in the social economics of music. Because of it's immense potential that is beginning to be realized, the Internet is perpetuating the idea that music is, in fact, made to bring us together.</p>	
Poster Session: Friday 5:45, Easel 32	Location: Ambassador Hotel Atrium
Presenter(s): MACHA, DARBY	University: San Jacinto College
Title: Period Doubling into Chaos	
<p>Abstract: The student will work with a sine map that undergoes period doubling into chaos. The student will run tests with a circuit board that has the same type of behavior. The circuit will create electromagnetic impulses that will be used to discuss the transmission interference. The importance of this project will be of the findings and implications that will be discussed in terms of data communication.</p>	
Poster Session: Friday 5:45, Easel 33	Location: Ambassador Hotel Atrium
Presenter(s): MCCRACKEN, BLAKE	University: Angelo State University
Title: Using the Cordin 220 Camera to View Dynamic Events	
<p>Abstract: High speed cameras are needed to record explosive events due to the short time duration of the event. Here, we investigate the Cordin 220 Intensified CCD Camera and its potential for this purpose. With a variable gate time and exposure time of 10 ns resolution, as well as a variable gain, the camera is able to adapt to many dynamic environments. Static, slow, and ultra fast events were recorded to better understand camera functionality capability. The camera was found to record velocities as high as 250 km/s. Though the camera was not able to be fully tested, the velocity of current explosives are much less than 250 km/s, thus proving the camera to be very capable of recording explosive events.</p>	
Poster Session: Friday 5:45, Easel 34	Location: Ambassador Hotel Atrium
Presenter(s): MEDLIN, SELAH	University: Tarrant County College
Title: No Judgement: A multi-cultural Study ofSexuality	
<p>Abstract: In a culture where topics surrounding the broad term of sexuality can get heated, such as contraception and orientation, judgment and self-righteousness have become prominent issues within American society. Student Selah Medlin has seen the suffering brought upon by such judgment and wishes to promote justice by embarking on an exploration of various cultural views on sexuality. With a focus on contraception methods and orientation, Medlin wants to relay how other cultures view sexuality and in turn hopes to alleviate the tensions that some people feel towards these differences that are seen within our own culture. With religion being one of the most influential on beliefs surrounding these issues, penetrating those lifelong views in efforts to simply be heard is a struggle that Medlin anticipates but fortunately, sexuality is such an interesting topic that she hopes will ease those troubles. Medlin’s main goal surpasses a presentation of sexuality in that what better way to ease the judgments from young people to those that are different than a multi-cultural study of sexuality. Medlin hopes that her presentation will enlighten and engage others in a healthy conversation about sexuality and differences thereof.</p>	

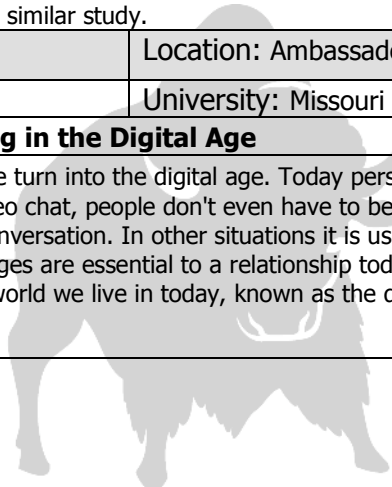
Poster Session: Friday 5:45, Easel 35	Location: Ambassador Hotel Atrium
Presenter(s): MERTS, STEPHANIE	University: Tarrant County College
Title: Exploring the Remarkable Personalities of Heroes we love: Superman vs Batman	
<p>Abstract: With the Christopher Nolan Batman franchise coming to an end and a new completely rebooted Superman movie on the horizon, both heroes have experienced a resurgence of popularity. "Superman was a hero of the day, bright and gaudy and ultimately optimistic," (Morrison) whereas Batman is nearly his polar opposite, basically created as the new superhero to challenge Superman's foothold as the world's greatest superhero. "Batman was born of the deliberate reversal of everything in the Superman dynamic: Superman was an alien with incredible powers; Batman was a human being with no superhuman abilities" (Morrison). One thing they do have in common is their alter-egos that double as a secret identity. Clark Kent and Bruce Wayne are opposites of each other, while also remaining opposites of the superhero identities they protect. Stephanie Merts will take a closer look at the dichotomy that both Superman and Batman present by performing a mock Myers-Briggs test not only for each superhero, but also for their secret identities Clark Kent and Bruce Wayne. By looking at what their personality types are, Merts hopes to reveal a deeper understanding of the two resoundingly opposite superheroes and why they have remained at the top of the DC universe since 1938. Morrison, Grant. <i>Supergods: What Masked Vigilantes, Miraculous Mutants, and a Sun God from Smallville can teach us about being Human</i>. New York: Spiegel & Grau, 2011. Print.</p>	
Poster Session: Friday 5:45, Easel 36	Location: Ambassador Hotel Atrium
Presenter(s): NAFEES, SABA	University: Texas Tech University
Title: Modeling Positions Coupled to F508, Site of Chief CF Causing Mutation	
<p>Abstract: Cystic Fibrosis is a disease for which we know little of the underlying mechanisms. Currently there are no mechanisms that explain how amino acid sequences interact with the chief site of mutation F508 to inhibit efficient protein folding. These sequences join with F508 to have a coupling effect on the protein folding machinery. Modeling this coupling effect is a profound mechanistic problem in illuminating this disease. Since standard polynomial regression is not a good tool due to mathematical limitations, our methodology is on the basis of Orthogonal Polynomials. With regards to this disease, our goal is to build a function that captures all the coupled combinations of sequences and how these couplings project the folding success or stability. Our methods indicate devising a weight function defined as the distribution of variation across sequences. This function generates a space that automatically incorporates the correlations between sites that the various tests used by Thomas et al are trying to estimate. Projecting folding and maturation success onto this space and analyzing the projection using orthogonal polynomials with increasing order of degree will show if the coupled sites act independently or synergistically or if they have an effect at all on NBD1 folding and CFTR maturation.</p>	
Poster Session: Friday 5:45, Easel 37	Location: Ambassador Hotel Atrium
Presenter(s): PERKINS, ANGELA	University: San Jacinto College - North
Title: Vector-Valued Functions and Kinetic Sculpture Represented by a Harmonograph	
<p>Abstract: The Student used both Calculus III and Sculpture I skills for an interdisciplinary project. The student built a three pendulum harmonograph using skills obtained in Sculpture I and used the picture the harmonograph creates, while it is in motion, to find the vector-valued function of the picture.</p>	
Poster Session: Friday 5:45, Easel 38	Location: Ambassador Hotel Atrium
Presenter(s): POOL, WESTON	University: Missouri Western State University
Title: Digital Divide: The Change of Digital Technology and Communications	
<p>Abstract: Texting, e-mail, instant messaging, Facebook, Twitter, Skype, what's next hologram? It is definitely a possibility in today's rapidly growing technological age. With updates constantly popping up on computer screens and phones there is no wonder why digital technology is becoming so popular. With ease of access and the unlimited social interactions it allows, digital technology is one of the fastest growing sources in today's economy. However, this continued development is not all good, it is causing what is known as the "Digital Divide", which is the gap between the Digital Natives, the people who grew up using digital technology, and the Digital Immigrants, those who did not grow up using or who are unfamiliar with digital technology. This gap has increased and is causing problems for the digital immigrants because they are being left behind by the digital natives. The innovation of digital technology today, allowing for more social interactions, is a positive and important role to the development of future generations.</p>	

Poster Session: Friday 5:45, Easel 39	Location: Ambassador Hotel Atrium
Presenter(s): REMO, SONIA	University: Tarrant County College, North West
Title: From Temperance and Prohibition to Today: When Women Take a Stand	
<p>Abstract: Sonia Remo would like to take you on a journey through time. The Journey will begin in the 1800's during the temperance movement. Women banded together, uniting in the need to have some control over keeping their families healthy and strong. They were tiresome of their husbands being turned into drunkards and left without money to feed their children. They took a stand and began fighting for their families, fighting for themselves. Prominent business men joined forces with them, aiding their cause, knowing drunkard husbands are just as bad for their companies; their bottom line. Alliances are formed and the women of the state begin to take action, spreading their cause. Remo will continue the journey forward into the Prohibition era. Finally, not only is most of Texas on board for temperance, the U.S. government is on their side. Soon the country is in transition, women are given the right to vote and for the first time, alcohol is illegal. This doesn't quite go the way the women planned though. The men, and some women, still had access to alcohol. Illegal bootlegging and moonshining became a big problem in Texas, as well as for the rest of the country. The Bimini Islands supplied Texas and other states with plenty of alcohol. Many of the business men and political figures that helped put Prohibition into effect, were "wet" in private, and "dry" in public. So enforcement was minimal in most cases.</p>	
Poster Session: Friday 5:45, Easel 40	Location: Ambassador Hotel Atrium
Presenter(s): RIDINGS, REBECCA	University: John Brown University
Title: The Infinity Loop Model of Differentiation	
<p>Abstract: Differentiation, the balancing of the two extremes of autonomy and fusion in relationships, is an increasingly discussed topic in the realm of family therapy. This paper reviews related literature, discussing key terms, key theorists and theories, recent studies dealing with differentiation, as well as developmental theory. Key theorists examined include Murray Bowen, Virginia Satir, and David Schnarch. Our original Differentiation Process Infinity Loop model is then discussed in detail. This model depicts an infinity loop where extreme individuality stands at the far left, and extreme togetherness stands at the far right. In the center of the model lies the crucible: a point where pain and anxiety must be tolerated in order for one to become more differentiated. The process and terms related are defined and followed by an example. The paper ends with a summary and discussion of the Differentiation Process as well as implications for future research. Keywords: differentiation, individuality, togetherness, emotional fusion, emotional cutoff</p>	
Poster Session: Friday 5:45, Easel 41	Location: Ambassador Hotel Atrium
Presenter(s): ROSALES, MIGUEL	University: San Jacinto College -- North
Title: Non-linear Oscillators	
<p>Abstract: Create a mathematical model of a network of oscillators using spring equations to describe the patterns within a walking motion of two legs and a third element. The model will be implemented in software and demonstrated with use of hardware, assuming there are no software restrictions. The model will demonstrate the relationship between walking patterns of normal and chaotic elements.</p>	
Poster Session: Friday 5:45, Easel 42	Location: Ambassador Hotel Atrium
Presenter(s): SCREWS, AARON	University: Northeast Texas Community College
Title: Audie Murphy: The Reckless Creativity of a Lower Class Superstar	
<p>Abstract: In a day of Special Forces and high-paid CEO's, the majority of Americans often go unappreciated. Lower-echelon people, short on money, position, and education are rarely singled out for praise. For example, the firefighters that gave their lives on September 11, 2001 are regarded as heroes in the press and popular culture. But even though they are considered heroes, the bottom line is that they are unnamed, unknown individuals who were expendable. But in the modern period there was one lower-echelon American who gained attention on his own terms. He even refused to become a higher ranked official, in this case, in the army, and this is Audie Murphy, from Greenville, Texas. Murphy, a hero of World War II, is interesting because he shows that one does not have to be deemed "educationally superior" or "monetarily strong" to become a nonexpendable asset. To become a recognized, famous individual, he realized that one must exercise creative risk. This means that one must take the risk, often recklessly, to be creative in the world. It's easy enough for intellectuals or congressmen to be creative and have loads of ideas in their head. But for Americans like Murphy, the creativity that leads to fame comes with risk—which in his case, was the risk of death, reputation, and family.</p>	

Poster Session: Friday 5:45, Easel 43	Location: Ambassador Hotel Atrium
Presenter(s): SILKETT, KAYLI	University: Missouri Western State University
Title: Nomadic Students	
<p>Abstract: This poster presents three main conclusions found by a survey I conducted. 243 high school students participated in this survey which was meant to determine what students thought about online education and if they were heading towards completely mobile education. The three conclusions displayed on my poster are; a percentage of students did not think online education would better their education but would take all online classes anyways if they could, the students surveyed were less inclined towards online education the older they were, and a majority of the students had the capability to be nomadic students.</p>	
Poster Session: Friday 5:45, Easel 44	Location: Ambassador Hotel Atrium
Presenter(s): SNOOK, JORDAN	University: Missouri Western State University
Title: iGeneration: The Evolution of Multitasking	
<p>Abstract: Multitasking. According to Merriam-Webster dictionary, multitasking is the concurrent performance of several jobs by one individual. Is multitasking real? Some say no while others, like me, believe wholeheartedly in multitasking. I use multitasking every day to accomplish my homework. To be honest, I am multitasking as I write this. Multitasking is used more frequently in the last couple of decades than it ever was before. Why is this? My research shows a good explanation as to why multitasking has become more frequently used lately. I believe that the younger generations, the Digital Natives, multitask more than the older generations, the Digital Immigrants.</p>	
Poster Session: Friday 5:45, Easel 45	Location: Ambassador Hotel Atrium
Presenter(s): STORCK, IAN	University: Missouri Western State University
Title: Educational Motivation in Video Games	
<p>Abstract: I studied if students had the ability or were inspired to learn from playing a video game that was based on non-fiction elements, for example, the Call of Duty series set during World War II, or the Assassin's Creed series set in Renaissance Italy. My survey of students, asking questions about non-fiction materials related to, but not explicitly presented within the games, showed that many students weren't motivated to research after playing these games. However so, the video games did inform players on non-fiction topics. The poster also shows the pros and cons of educational games versus entertaining games, and how a merging of both could be the most efficient way to teach through such a medium.</p>	
Poster Session: Friday 5:45, Easel 46	Location: Ambassador Hotel Atrium
Presenter(s): TALASKA, BAYLEE	University: The University of Texas at Tyler
Title: Rehabilitation Strategies to Overcome Quadriceps Weakness for Athletes with Anterior Cruciate Ligament (ACL) reconstruction	
<p>Abstract: Anterior cruciate ligament (ACL) injuries are one of the most common injuries involving lower extremities among athletes. Serious ACL injuries require surgery to restore normal knee functions. After knee surgery, persistent quadriceps weakness is frequently reported to prevent athletes from returning to their normal sports activities. Such a phenomenon is known as arthrogenic muscle inhibition, characterized by long-lasting inability to fully activate quadriceps muscle. Although the underlying mechanism for arthrogenic muscle inhibition is not clearly understood, it is generally accepted that the discharge of sensory receptors from the injured knee joint may cause arthrogenic muscle inhibition. It remains a challenge to identify effective strategies to remove arthrogenic muscle inhibition after ACL reconstruction surgery. Therefore, it is important to identify rehabilitation strategies to overcome this impairment. The central hypothesis of this study is that fatigue training can be used as a rehabilitation strategy to restore normal quadriceps function at knee joints following ACL reconstruction by overcoming muscle inhibition, recruiting more motor units and increasing extension moment at the knee joint.</p>	
Poster Session: Friday 5:45, Easel 47	Location: Ambassador Hotel Atrium
Presenter(s): TATE, ADAM	University: Missouri Western State University
Title: Technology: Brianrot or Not?	
<p>Abstract: Technology is our greatest defense but that also means that it is our greatest weakness. Take out the digital, and we fall. However, in the jumble of negatives and positives I believe that digital technology has improved and is still improving humanity. However, how does digital technology affect our mental health? I conducted a survey to represent our dependence on digital technology and what it does to our mental state, but through my own observations I see a very possible balance so we are never too reliant on digital technology.</p>	

Poster Session: Friday 5:45, Easel 48	Location: Ambassador Hotel Atrium
Presenter(s): VALLE, TOMAS	University: Alvin Community College
Title: Legalization of Marijuana: Not "If" but "When"	
<p>Abstract: Because marijuana is illegal, there is a multi-billion dollar black-market industry with no signs of slowing down; tens of thousands die doing business or trying to stop the business. However, recently many in the US have shown support for legalizing marijuana. A December 10, 2012, Gallup poll reports 64% of the US is against the federal government interfering with a state's marijuana laws. The reason marijuana has increased is that many downplay the hazardous physical and psychologically consequences. Most at risk are the poor with mental disabilities. Additionally, marijuana can cause fertility problems in men, and with pregnant women, fetal brain development can be affected.</p>	
Poster Session: Friday 5:45, Easel 49	Location: Ambassador Hotel Atrium
Presenter(s): WAGONER, CLINTON	University: Midwestern State University
Title: A Woman's Role in Classic Mythology	
<p>Abstract: In Ovid's pivotal myth about the sculptor Pygmalion, the reader is provided with the description of the perfect classical woman: a pure and beautiful object. Of course, Pygmalion isn't the only myth that provides insight into what women represented to classic societies. One could look at countless sources from the past to see several key themes appear, but for the purpose of this presentation I will focus on the classics, providing images, excerpts, and themes from The Metamorphoses, The Odyssey of Homer, The Aeneid of Virgil, The Bible, and The Epic of Gilgamesh. In particular, the reader sees women representing an obstacle to great heroes, the object to be won by said hero, or the origin of knowledge. Women served as obstacles, such as the trial Dido posed Aeneas, or Charybdis and Scylla posed to Odysseus. They served as objects, trophies won, like Odysseus's Penelope. Finally women served as origins of knowledge, as in the case of Eve and Shamhat. In all of these cases, women never played the central role of the story, but rather served as the carrot to lead the hero forward, or the stick prodding the hero backwards.</p>	
Poster Session: Friday 5:45, Easel 50	Location: Ambassador Hotel Atrium
Presenter(s): WEEDEN, MATTHEW	University: John Brown University
Title: Coffee Vending Machine Circuit Design	
<p>Abstract: This design project involved building an original circuit for a coffee vending machine. The design was meant to be as efficient as possible, so only primitive logic gates and integrated circuits (IC's) were used. This circuit design was created using the Altera Quartus II program and was implemented on the Altera DE2 Development and Education Board. The vending machine's functions include a coffee selector that gives the user a choice of cream or sugar, a coin collection system that also dispenses change, and LED indication when the vending machine runs out of any product. To implement these functions, multiplexers and ALU's were used to count and give change, a flip-flop clock divider was used to obtain five and ten second intervals for coffee dispensing, and Boolean logic equations were used to simplify the coffee selection and coin input circuitry among other functions.</p>	
Poster Session: Friday 5:45, Easel 51	Location: Ambassador Hotel Atrium
Presenter(s): WEGNER, SABRINA	University: McMurry University
Title: Acedia: The Mental Affliction That Disappeared From Time	
<p>Abstract: Acedia, an intriguing affliction that was largely discussed in literature only during and before the medieval age, is under-analyzed in modern literature. After research of the literature, this presentation will analyze the similarities and differences between acedia, Major Depressive Disorder, and Dysthymia to show that acedia is a separate affliction. Abstract: Acedia, an intriguing affliction that was largely discussed in literature only before and the medieval ages before disappearing entirely in the Renaissance and beyond, is highly misunderstood and under-analyzed in modern literature. Acedia literally means without care or without grief. In the literature, acedia is described as afflicting those dedicated to a hermetic-style of spiritual living. It was an affliction particularly noted in Egyptian desert Christian monks. Acedia is characterized by many symptoms that also characterize Major Depressive Disorder and Dysthymia; however, acedia is a separate affliction that is differentiated from depression by additional profound symptoms. After extensive research of the available literature, this presentation will analyze the similarities and differences between acedia, Major Depressive Disorder, and Dysthymia to show that acedia is a separate affliction. By recognizing that acedia is a separate affliction, modern researchers will have a better understanding of what acedia is and how best to focus future research surrounding acedia.</p>	

Poster Session: Friday 5:45, Easel 52	Location: Ambassador Hotel Atrium
Presenter(s): WILSON, DEREK	University: Emporia State University
Title: The Benefits and Safety of an EMS System in your Hometown	
<p>Abstract: This presentation is a summary of the safety reasons and benefits of having an Emergency Medical System in your hometown area. It goes into extreme detail involving what all EMS can do for the citizens of a community as well as the community itself. I will explain how EMS works and operates to not only assist the community, but possibly even save a life. But, this presentation will also explore the patriotism and pride that an EMS station brings to a community. Finally, I will describe the true values one can learn from being an EMT and how becoming an EMT will open many doors for a young man or woman in his or her future.</p>	
Poster Session: Friday 5:45, Easel 53	Location: Ambassador Hotel Atrium
Presenter(s): WITHROW, KAYLA	University: Redlands Community College
Title: Correlation Between Red Blood Cell Counts and Milk Yields in Dairy Goats	
<p>Abstract: The dairy industry relies fully on the production of milk in goats and cows to produce a profit. If there were a way to predict how much milk a young female will produce before they are on the milk line it would help select which females should be kept. It would also have potential to help dairymen adjust the diets of the livestock to raise milk weights to their full potential. A main content in milk is protein; red blood cells also have a high content of protein. This project will show whether there is a correlation between red blood cell counts and milk yields in dairy goats. If a connection is found in older does, the research can continue to younger does to find if the red blood cell counts could predict future milk yields of the doe. The project could also be done with dairy cows for a similar study.</p>	
Poster Session: Friday 5:45, Easel 54	Location: Ambassador Hotel Atrium
Presenter(s): WOOD, MEGAN	University: Missouri Western State University
Title: When "Harry" met "Sally": Dating in the Digital Age	
<p>Abstract: Dating has evolved entirely since the turn into the digital age. Today personal relationships can be carried out almost entirely in an online form. Thanks to video chat, people don't even have to be sitting next to the person they are talking to in order to carry out a face-to-face conversation. In other situations it is used to communicate and is used on top of face-to-face contact. Things such as text messages are essential to a relationship today. Or are they? My poster explores just how relationships exist and are persued in the world we live in today, known as the digital age.</p>	



Schedule of Boe and Oral Presentations

West Texas A&M University
Classroom Center

Boe Awardee Presentations

1:45-3:15pm	Legacy Hall	Eldridge, Austin	Galveston Bay: 1979 to 1981 - Racial Terrorism in a Small Texas Town
		Herbelin, Michelle	The Caged Yankees Sing: A Musical History of the Andrews Raid of 1862
		Hesse, Lucy	The Development of Economic Systems: A Case Study of the Baltic States
		Hossenlopp, Cassady	Detection and Identification of the Dengue Virus that Tested Positive by ELISA but Negative with Conventional RT-PCR
		Jennings, Caroline	Behind the Veil: The Hidden African in Lydia Maria Child's "The Quadroons"
		Warren, Laticia	What Ophelia Heard and Did: An Argument for Ophelia's Agency

3:30-4:15pm

CC221	Bennett, Victoria	Sex Education in Conservative Christian Families: Impact on Females
	Cartmell, Rachel	The Bible Belt: How Religion can Dictate Society
	Duke, Amanda	PRAISE THY MOUNT, I'M FIXED UPON IT: FINDING A WAY TO BELIEVE GOD, BELIEVE IN HIS GOODNESS, AND BELIEVE IN HIS ABILITY TO RESTORE HUMANITY'S PAIN
CC224	Davidson, Michael	Computer Forensics
	Hummel, Darnelle	A Qualitative Study: A Texas Portrait of the Social Work Professional
	Thurman, Audra	Comparison of Job Satisfaction between Juvenile and Adult Corrections Personnel.
CC225	Musgrove, Hannah	Robin: an Ethological Case Study of Animal Rehabilitation
	Pugh, George-Thomas	Cloning and Sequencing the Vitellogenin Gene in Tilapiine Fishes
	Reyes, Martha	Prevalence and Epidemiology on Parvovirus in Laredo Texas Canines
CC227	De La Cruz, Adriana	Reducing Waiting Times at a Hospital Using "Arena"
	Garcia, Tanya	Pediatric Occupational Therapy
	Williams, Amanda	Son-Rise, Sunset: An Illumination of Autism
CC306	Davidson, Madison	The Inevitable Truth Exposed: Welfare Programs are Weakening the Poor
	Larios, Elizabeth	Your Perception isn't their Reality: the Many Faces of Homelessness in America
	Lloyd, Tonya	NIGERIA: The Hope of a Child
CC307	Bates, Toni	Twelve Step Programs Can Return the Lost Soul to Love
	Kimball, Brock	Cell Phones: Cigarettes for the Mind
	Mikes, Colton	Gaming or Addiction?: The Recognition, Definition, and Treatment of Computer Game Addiction as a Psychiatric Disorder.
CC308	Denham, Aimee	Sequoia and Kings Canyon: From Experience to Campus Application
	Knox, Duncan	Fire Island to Ellis Island: A Historical Awakening
	Serio, Tara	Acadia: Explorations of Nature and Self
CC309	Gonzalez, Victor	The Devil versus the "City upon a Hill": The Peak of Corruption in the Salem Witch Trials
	Rahnama, Kia	Root causes of terrorism
	Yolland, Allyson	The Ku Klux Klan and Colonel Mayfield's Weekly
CC310	Aguilez, Nidia	Le Fou Roux
	Orman, Ben	Art Nouveau & Gaudí: The Way of Nature
	Traxler, Tara	Material Music: The Effects of Synthetic Film Scoring on Industry and Culture
CC312	Berry, Quinton	The Pleasure Pier: Galveston's Dedication to the Future
	Lauersdorf, Cheryl	Galveston's Balinese Room Presents: Bootleggers, Big Bands, High Rollers, and Headliners
	Moore, Caleb	The Double Bayou Dance Hall
CC314	Bullard, Halle	Archer Fullingim and the Campaign to Preserve the Big Thicket of East Texas
	Savage, Heather	Jean Houston Baldwin Daniel
	Wells, Andrea N.	Sam Houston's Reformation: The Story of the "Conqueress of the Conqueror"

4:20-5:20pm

CC223	Gonzales, Nancy	Uncovering the Issue of Fraud. An Academic Cooperative integrating both case study and internship learning opportunities.
	Miles, Holly	Bureaucracies: Problems and their Causes as Evidenced by a Study of the Texas Department of Motor Vehicles
	Rodriguez, Carolina	Analyzing Customer Trends to Improve System Efficiency in a Forwarding Company
	Wadsack, Josiah	What is the role of Ceteris Paribus in Economics?
CC221	Alaniz, III, Ignacio R.	Analysis of the Antimicrobial Activities of Phyllanthus amarus and Phyllanthus fraternus
	Alderman, Christopher	Oncological Discrepancies—A Descriptive Analysis of the Shortcomings in the Current Treatment of Cancer
	Carver, Krista	An Overview of Pre-, Intra- and Post- Operative Mohs Reconstruction Procedure
	Miller, Leah Oldmixon	Fertility and Family Planning: Communication and Resources for the Adolescent and Young Adult Cancer Patient
CC225	Fish, Kaitlynn	Student's Perceptions on Age-Discrepancy
	Kirby, Dylan	From Theory into Practice: The Role of the Service Project in the Honors College
	Parish, Cody	I Help Write. We Help Write. Honors Students Help Write at the Writing Center
CC306	Billups, Sean	Salah al-Din's Two Crusades
	Brundrett, John	Truman's Decision to Drop the Bomb – Influences
	Moore, Amber	Allied Powers and Civilian Targets: War Crimes in Western Europe?
	Skopp, Wesley	Napoleon's Entering Egypt
CC307	Durant, Amy	Jamestown 1607: The Truth of America's Birthplace
	Hadwal, Joseph	The Election of 1928
	Logsdon, Joshua	The Poor, the Penniless, and the Paupers: A Study of Social Welfare in Early Tom Green County, 1875-1930
	Swenson, Erin	Daisy Miller: Establishing a New American Identity during the Reconstruction Period
CC308	Bupp, Hayley	A Story of Sex Trafficking in Southeast Asia
	Harris, Michelle	Creative Abolitionism: An Educator's Hands-on Tool for Increasing Awareness of Human Trafficking
	Jiangyue, Gong	That Is Also Life
	Motl, Sean	Sensationalizing Genocide: The balance Between Exploitation and Education in Rwanda
CC309	Jackson, Misty	A New Look at the Old Forest: Examining Hawthorne's Use of Nature in The Scarlet Letter
	Selover, Brooke	Truth or Consequences: Folkloric Structure in Cormac McCarthy's The Crossing
	Sweet, Vanessa	Ashes: Questions of Redemption in The Road
	Witcher, Bethany	The Fearsome Pen: A Discussion on the Darker Genres of Literature
CC310	Allison, Kiara	The Poisonwood Bible: The Demoralizing Effects of Colonialism
	Austin, Andrew	Modern Icarus: the Rise and Fall of Morris Sheppard
	Covington, Hannah	The Roar of War: Form, Content, and the English Soldier-Poets of World War I
	Ferguson, Abigail	Lynda Barry's One! Hundred! Demons!: The Connection Between Childhood and Creativity
CC312	Ballesteros, Stefano	Monsters, Then and Now.
	Bell, Judi	Victorian Amazons: Marriage, Courtship, and Spinsterhood in Elizabeth Gaskell's Cranford
	Dew, Abigail	Imagery of Thought
	Leme, Alexandro	Straight Documentary Photography and Surrealism: A Dialectical Resolution

5:40-6:50pm

5:40-6:50pm	CC221	Bonggot, Karen	From Damsel in Distress to Hero of China: An Analysis of Women and Feminism as Portrayed in Disney Princess Films.
		Elder, Seth	Gender Typing's Role Among Major Social Institutions
		Parker, Emily	Decline of Racism in Music: Jazz, Country and Modern Styles
		Santos, David	Ebonics Through Hip-Hop Music
	CC224	Matos, Mary Anne	Media in the Hunger Games
		Mosier-Dubinsky, Joy	1968: The Purpose and Effects of Television and Music
		Wells, Jennifer	Science and the Stars
		Young, Michael	Upgrade Yourself: An Examination of the Cultural Impact of Current Technological Trends.
	CC225	Hernandez, Giancarlo	Shock Tubes: An Introduction to Fluid Dynamics
		McCrary, J. Keegan	Testing Stress: The Effects of High-Stakes Testing on Salivary Cortisol Levels in Science Students
		Miyatake, Shunya	Statistical Analysis of a Batting Average Ranking Algorithm
	CC227	Coe, Sarah	Archetypes in Marvel's Movie Adaptation of Tony Stark
		Haggerton, Halee	Pontypool: Zombie Film or Not?
		Hall, Lisa	Psychologist-Client Relationship as Portrayed in Film
	CC307	Bateman, Neil	Fear and Loathing On the Campaign Trail '72: Farce with Force in the Politics of the 1972 Election, and the Boundaries of Journalism
	CC307	Johnson, Brad	"Natural Law and Constitutional Jurisprudence"
		L'Angloins, Roxy	The Importance of Interpretation: Determining Constitutionality
		Robinson, Andrew	The Benefits of Debate: A Washington and Du Bois Legacy
		Summerlin, Rachel	Copyrights Re-Evaluated: What is needed to Protect Literature in the Digital Age
	CC308	Condulle, Osceola Data	An Investigation of Analytical and Historical Developments of the Orbital and Celestial Dynamics
Michaud, Yvonne		Human Impacts on Oceanic Diversity	
Schuette, Geoffrey		Statistical Analysis to Validate the Dark Sky Laws	
Vallejo-Gutierrez, Santiago		Hydraulic Fracturing in South Texas and its Effects on Groundwater Health	
CC310	Abina, Rodolfo	A Qualitative Study on Administrator Viewpoints on School Vouchers	
	Campbell, Nic	No Child Left Behind: US Left Behind?	
	Porras, Jessica	Evidence-Based Practice Articulation in Child Language Disorders	
	Sandoval, Anna	"The Absence of Honesty in the Academic Honesty Policy"	
	Smith, Analiese	Homeschooling: A Diverse Form of Education	
CC 309	Nuts & Bolts Session for administrators, faculty, & staff A Panel Discussion: "Value of Evaluators Making Site Visits"		

Oral Presentations [Saturday]: Student Abstracts

Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC310
Presenter(s): AGUILEZ, NIDIA	University: Lone Star College North Harris
Title: Le Fou Roux	
Abstract: Vincent van Gogh's life was one of struggle, mental illness and failed careers. Looking at his upbringing and adult life, we will learn how all of this shaped and affected his work, who he was and, in turn, how this original tortured artist shaped art history.	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC310
Presenter(s): ABINA, RODOLFO	University: McLennan Community College
Title: A Qualitative Study on Administrator Viewpoints on School Vouchers	
Abstract: The issue of school vouchers has been at the forefront of public attention since the mid nineties. Vouchers are tuition payments that enable public school students to attend private or other public schools that families select, which, if implemented, may have an impact on the local economy and the way public schools are funded and function. School vouchers could alter the way teachers are paid, introduce market competition to the public education field, and even affect the real-estate market. Past studies on the effects of vouchers have yielded mixed results on the topic. Some studies concluded that only African American students saw a considerable increase in performance, while other groups saw little to no improvement from the use of vouchers. Other studies demonstrate how school vouchers will help create competition among public schools, making schools better. At the moment, there is not enough research to conclude the full effects of vouchers. It is important to find out local school administrators' viewpoints, since the administrators are at the helm of the public education system. This qualitative study will focus on interview data gathered from Waco, Texas public school administrators to better understand their positions on the voucher system as it applies at the local level of education. These data will be used to provide a broader picture of local administrator viewpoints on a voucher system and its potential impact on the Central Texas community and beyond.	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC221
Presenter(s): ALANIZ, III, IGNACIO R.	University: Texas A&M International University
Title: Analysis of the Antimicrobial Activities of Phyllanthus amarus and Phyllanthus fraternus	
Abstract: Two plant species, Phyllanthus amarus and Phyllanthus fraternus, were studied as potential sources for alternative antibiotics. These plants have been traditionally utilized for medicinal purposes in West Africa, South America, India, and China to prevent and cure Hepatitis B, diabetes, gonorrhea, typhoid fever, and many other ailments. The use of medicinal plants as an alternative antibiotic is primarily due to uprising multiple drug resistant microorganisms. In attempts to resolve this resistance, new sources of medication must be sought out that does not include existing synthetic antimicrobial agents. The antimicrobial disc diffusion assay was conducted in order to determine the antimicrobial activity of the plant extracts. This study reports a potential use of Phyllanthus amarus and Phyllanthus fraternus as possible sources for antimicrobial agents against Escherichia coli, Enterococcus faecium, and Methicillin-Resistant Staphylococcus aureus.	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC221
Presenter(s): ALDERMAN, CHRISTOPHER	University: Emporia State University
Title: Oncological Discrepancies—A Descriptive Analysis of the Shortcomings in the Current Treatment of Cancer	
Abstract: With cancer being the second leading cause of death, shortly after heart disease, it is a problem that is worth our undivided attention. The health care system is not doing all that is possible to save the thousands of people dying every day due to cancer—or possibly the treatments thereof. Large medical systems, for financial benefits, have intentionally teamed up to make it difficult for people who are genuinely seeking a cure for this massive murderer. Small research institutions and individuals with pure motives are being bullied by seemingly careless law makers. This generation needs to be diligent in seeking the truth in all medical systems.	

Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC310
Presenter(s): ALLISON, KIARA	University: Lee College
Title: The Poisonwood Bible: The Demoralizing Effects of Colonialism	
<p>Abstract: Generally, people are influenced by the authoritative figures around them. However, leaders that have ill intentions or imprudent ethics can manipulate their subordinates into accepting a false reality. In Plato's "Allegory of the Cave," puppeteers are leaders who cast shadows, or inaccurate depictions of life, to the manacled prisoners below. Similarly, Nathan Price, a character in Barbara Kingsolver's novel <i>The Poisonwood Bible</i>, attempts to spread the Word of God to a Congolese village. His selfish ambition and misconception of the gospel cause pain and suffering for the natives as well as his family. Plato's text offers an alternative to the "imprisoned natives" by illustrating that in order to attain enlightenment a prisoner must reject these shadows and, at the beckoning of a compeller, ascend out of the cave and into the light. Plato suggests that people must make the conscious decision to abandon their current state of ignorance and seek out truth. In the novel, Leah Price, Nathan's daughter, recognizes his corruption and rejects his teachings, adopting the Congolese culture as her own and serving as a compeller for the inhabitants of the Congo. While Nathan represents the disparaging power of colonialism, Leah demonstrates how cultural acceptance, spiritual enlightenment, and love can result in prosperity and happiness.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC310
Presenter(s): AUSTIN, ANDREW	University: Northeast Texas Community College
Title: Modern Icarus: the Rise and Fall of Morris Sheppard	
<p>Abstract: Morris Sheppard, the statesman behind the prohibition of alcohol, has been all but forgotten. But the Webb and Honors programs of NTCC have made a film about his life. We call it, "Modern Icarus." It details the journey of a man who once was promoted by the state of Texas to be President of the United States, and was called the "Comrade of the Immortals." My presentation will include excerpts of our film, "Modern Icarus: the Story of Morris Sheppard." The project involved original research at the University of Texas' Dolph Briscoe Center for American History in Austin, 23-25 May 2012, the writing of a script, the formation of an executive committee, the gaining of a consensus about that script, bringing a choir together, rehearsing the choir, making costumes, securing equipment for filming, rehearsing the actors, sequencing the order and logic of the filming, filming on four separate dates (14, 16, 17 August, and 19 October), providing interviews for two school newspapers about the project, traveling to Huntsville to give a report on the film for the Webb Society, transferring the footage on to my MacBook, producing the film, providing a critical premiere in our Texas history class, uploading the film on Youtube, phoning and writing to make connections with Television channels for viewing, and setting the public premiere at the Mount Pleasant Library for this February 1. The film has since been shown publicly three times.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC312
Presenter(s): BALLESTROS, STEFANO	University: Lone Star College-Montgomery
Title: Monsters, Then and Now.	
<p>Abstract: This project focuses on analyzing ancient creatures and characters from mythology and folklore to archetypes that transcend cultural barriers. These connections allow us to see the similarities between different cultures and the stories that reaffirmed their identity. Through this research, it is possible to draw parallels to modern culture in order to understand the different problems that people have to face in the world today. The project links characters from mythology all around the world, to the modern icons and characters found in popular media today.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC307
Presenter(s): BATEMAN, NEIL	University: Brazosport College
Title: Fear and Loathing On the Campaign Trail '72: Farce with Force in the Politics of the 1972 Election, and the Boundaries of Journalism	
<p>Abstract: In <i>Fear and Loathing on the Campaign Trail '72</i>, Hunter S. Thompson wrote of his experiences while following the 1972 presidential election. This project investigates Thompson's influence on American political journalism, and explores the reasons why his book remains galvanizing to this day. Thompson's notes were written amid national turbulence when the horrors of Vietnam and tensions of the Cold War permeated into American psyche. Thompson ignores such hefty subjects, preferring to "focus on details such as the President's hairline and the content of partisan television commercials." In doing so, Thompson recalls Faulkner's proverb that "Fiction is often the best fact," creating an original work unable to neatly fall within the confines of orthodox journalism. With political metaphors abound, every candidate is viewed within a black and white existence; each candidate is either pure or corrupt, a lofty martyr America so desperately needs to depose Nixon, or a balding subhuman that, against the dark clout of Nixon "would be like sending a three-toed sloth out to seize turf from a wolverine." His book will be remembered for his sensitivity to the tumult of the campaign, rather than for the facts involved. After forty years, this work still captivates the imagination, while managing to afford the occasional fact within the apoplectic babbling of Thompson that capture certain truths of humanity.</p>	

Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC307
Presenter(s): BATES, TONI	University: Lee College
Title: Twelve Step Programs Can Return the Lost Soul to Love	
<p>Abstract: Addicts of all types are emerging in modern culture. The nature of addiction is taking a heavy toll in society, but there is a solution. A return to love as defined by Erich Fromm, in his book <i>The Art of Loving</i> (1955), offers four base characteristics of a truly loving person: care, responsibility, respect, and knowledge (30). Fromm refers to these as the four pillars of love. The twelve-step program as explained in the book <i>Twelve Steps and Twelve Traditions</i> (1952), published by Alcoholic Anonymous World Services Inc., was designed specifically to help people lost in addiction repair family and societal ties. The program teaches them how to love and to be loving again. Fromm's four pillars are stepping stones that help addicts incorporate this program into their lives.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC312
Presenter(s): BELL, JUDI	University: John Brown University
Title: Victorian Amazons: Marriage, Courtship, and Spinsterhood in Elizabeth Gaskell's Cranford	
<p>Abstract: Women in Victorian England had very specific roles, both in reality and in works of literature; some authors, especially women authors, explored the limits of these gender roles. In <i>Cranford</i> (1853), Elizabeth Gaskell describes the lives and customs of a group of spinsters. This presentation seeks to examine the roles of these unmarried women in their society and compare them to the typical gender ideals of the Victorian era, which emphasized the importance of marriage and motherhood. It explores these issues by specifically examining Gaskell's treatment of marriage, courtship, and spinsterhood in the novel. Ultimately, the unmarried women of <i>Cranford</i> exist outside the typical Victorian gender roles but are still treated sympathetically by Gaskell, who establishes their desires for motherhood and their charity towards others in the community, creating women who are both abnormally independent and appropriately similar to the typical Victorian angel-in-the-house ideal.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC221
Presenter(s): BENNETT, VICTORIA	University: John Brown University
Title: Sex Education in Conservative Christian Families: Impact on Females	
<p>Abstract: Although research has shown that young people want information about the physiology of sex, parents take different approaches when it comes to actually talking with their children about sex. In spite of diverse methods of sex education, many Christian parents, especially those that hold to conservative values, follow an approach to sex education that focuses on maintaining sex as something that is sacred and is to be reserved for the marriage relationship. This method of sex education often omits information about the physical act of sex, the very thing that young people desire to know about. This study was conducted in order to discover the impact that the method of sex education used by conservative Christian parents has on their daughters. Semi-structured interviews were conducted with nine females who identified themselves as having grown up in a conservative Christian home. Using thematic coding, four common themes were discovered from the interviews. These themes were: sex is sacred and has been devalued, suppression, unprepared, and dichotomous reactions. Based on these themes, recommendations for parents and helping professionals are made. Parents are given suggestions for specific sexual topics to talk about with their daughters as well as recommendations for how these conversations should occur. Helping professionals are given recommendations for how to best assist females from highly conservative homes in coming to a healthier understanding of sex and sexuality.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC312
Presenter(s): BERRY, QUINTON	University: Lee College
Title: The Pleasure Pier: Galveston's Dedication to the Future	
<p>Abstract: A place of mystery and history, the small island of Galveston, Texas beckons to visitors to experience its sandy beaches and everlasting waves of prosperity. First discovered by the Spaniards in 1721 and previously guarded by the Karankawa Indian tribes, the island was first nicknamed Mal Hado or "the isle of doom." Known for its toughness and constant drive, Galveston abounds with urban legends and ghost stories, and at the center of the tales stands The Pleasure Pier. Located on the Gulf side of the Seawall and at the end of 25th street, the iconic Pier represents the vision of three collective generations. Built as a navy pier 20 years after the Great Storm of 1900, the government donated the pier to the city and it soon became a playground for wise guys and later, a resort for rich dignitaries. Today, it serves as the booming enterprise of local visionary Tilman Fertitta. The Pleasure Pier is the icon of Galveston, reflecting the rise, fall and subsequent rebirth of the city through decades riddled with resplendent beauty and deadly vices. With the luck and vision of Fertitta, it would appear that both The Pleasure Pier and Galveston Island itself, with its broad sweeping winds across endless waves of possible prosperity, stand the same chance of success.</p>	

Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC306
Presenter(s): BILLUPS, SEAN	University: John Brown University
Title: Salah al-Din's Two Crusades	
<p>Abstract: The historical figure of Salah al-Din, commander of the Islamic forces during the time of the Third Crusade, was a powerful leader and hugely instrumental in the outcome of that deadly conflict. To gain such influence, Salah al-Din was portrayed by his aides as a fulfillment of the teaching of Islamic theologian 'Ali b. Tahir al-Sulami. Al-Sulami wrote regarding the two jihads in Islam—the greater jihad against one's own desires, and the lesser of military campaign against the infidel. Salah al-Din came at a time in which the Muslim state was dangerously fragmented and found itself incapable of countering European influences. Salah al-Din's presentation as a fulfillment of both types of jihad solidified the Islamic state in two ways: it provided Salah al-Din with the spiritual support that was necessary from leaders in the community, and it also served to downplay political motives and band together the bickering factions of Muslims who would not, on others terms, agree. Using Carole Hilienbrand's <i>The Crusades: Islamic Perspectives</i>, which explores the teaching of al-Sulami, and Gabrielli's <i>Islamic Historians of the Crusades</i>, which assembles a variety of primary sources on Salah al-Din, this paper argues that Salah al-Din's fulfillment of al-Sulami's teaching on spiritual duties became a bridge which connected the Muslim community and created a united front which successfully dislodged the European presence in the Middle East.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC221
Presenter(s): BONGGOT, KAREN	University: Alvin Community College
Title: From Damsel in Distress to Hero of China: An Analysis of Women and Feminism as Portrayed in Disney Princess Films.	
<p>Abstract: Walt Disney has left a legacy of creating cartoon role models for children. His use of modern technology and creative imagination has made fairy tales iconic from the Brothers Grimm to Hans Christian Anderson. People now associate the world of fairy tales with Walt Disney. However, many feminist writers complain of the portrayal of the heroines in Walt Disney's films because it follows the classic sexist narrative about the framing of women's lives through male discourse. Each princess portrays the lives of women in different eras and while many feminists' writers have criticized the characterization of the Disney princesses, it is no doubt that Walt Disney alters fairy tales to make it more relatable to his audiences. Throughout the years, the princesses in Walt Disney films have become more independent similar to the growth of women's history and feminism.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC306
Presenter(s): BRUNDRETT, JOHN	University: Alvin Community College
Title: Truman's Decision to Drop the Bomb – Influences	
<p>Abstract: This project attempts to reveal some of the primary influences which President Truman faced while making the decision to drop nuclear bombs on Japan. By focusing on select individuals in the State and War Department my research proves that the decision was due to the political atmosphere involving Russia.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC314
Presenter(s): BULLARD, HALLE	University: Lee College
Title: Archer Fullingin and the Campaign to Preserve the Big Thicket of East Texas	
<p>Abstract: When viewing America's natural wonders, many do not consider the struggle for the preservation of forests, mountains, battlefields, and other national landmarks. When lumber and petroleum interest threatened to devastate the uniquely biologically diverse Big Thicket in East Texas, people in the region launched a campaign to preserve this natural wonder. An unlikely leader arose, in the person of Archie. Fullingin, the publisher and editor of a small town newspaper, <i>The Kountze News</i>. Fullingin was known for being outspoken and peppery, yet courageous and determined. Through his newspaper, he kept his readers informed on everything that concerned the Big Thicket from animal sightings, to educational meetings, to politicians introducing bills promoting either the establishment of a national preserve or opposing such legislation, Fullingin's newspaper also promoted tourism to the region which strengthened the campaign to save the Big Thicket. Without Archer Fullingin, the Big Thicket might not have become the national preserve it is today.</p>	

Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC308
Presenter(s): BUPP, HAYLEY	University: Texas Tech University
Title: A Story of Sex Trafficking in Southeast Asia	
<p>Abstract: The worldwide epidemic of human trafficking enslaves millions of people. Sex trafficking in particular generates billions of dollars in profit and exploits millions of people. The objective of my research is to create a realistic story that represents the horrifying realities of sex trafficking victims. My presentation will be an excerpt from a story I have written, entitled "A Story of Sex Trafficking in Southeast Asia." The story captures the horrifying realities of sex trafficking victims. The story is told from the perspective of a young girl named Nisha who has been forced into the sex trade. Based in Southeast Asia, Nisha's tale reveals entrapment and dehumanizing experiences so terrible that she risks her life in an escape attempt. The criminality of the sex trade becomes personal when it is narrated by one of its victims. Nisha's story provides an attempt at exposing the truth of the sex trade.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC310
Presenter(s): CAMPBELL, NIC	University: Washburn University
Title: No Child Left Behind: US Left Behind?	
<p>Abstract: This study analyzed the effect No Child Left Behind had on test scores compared to other countries. By looking at scores and comparing how the United States scored before and after NCLB to other countries, we can have a better idea of the effectiveness of the law. We will further delve into this issue by looking at what types of variables affect a country's scores. We looked at reading and science test scores from 1999 and 2007 by TIMSS and compared them. Then, we looked at other variables to see if they had a correlation with test scores. Furthermore, we found that NCLB did not increase U.S. standing compared to other countries in test scores.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC221
Presenter(s): CARTMELL, RACHEL	University: Tulsa Community College
Title: The Bible Belt: How Religion can Dictate Society	
<p>Abstract: The "Bible Belt" is more than just a region in the southern United States where evangelicalism is fervently and ubiquitously practiced. It is an archetype of how religion is a cultural trait that ultimately influences the lives of the people living within its boundaries. How did the Bible Belt form in the southern United States? What do the boundaries look like today? This presentation will cover the story behind the coinage of "Bible Belt," as well as the practice of religion during America's colonial time period. Today, distinct characteristics of the Bible Belt include high usage of the death penalty and homeschooling, and also a high divorce rate that plays out on a stage of a highly agricultural economy. An examination of these traits reveals how southern evangelicalism is interwoven in the society of southern United States.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC221
Presenter(s): CARVER, KRISTA	University: West Texas A&M University
Title: An Overview of Pre-, Intra- and Post- Operative Mohs Reconstruction Procedure	
<p>Abstract: Mohs reconstruction is the repair of post-Mohs Micrographic Surgery (MMS) defects, which is typically used for facial skin cancers. Establishing MMS as the treatment of choice and the MMS surgery itself must be included in the description of preoperative care for a Mohs reconstruction patient. The type of reconstruction performed varies depending on repair location and defect size, with the goal being a satisfactory cosmetic appearance. Mostly performed under local anesthesia, surgical repair of Mohs defects continues to be a very safe procedure. Postoperative care consists of patient follow-ups to monitor proper healing and to evaluate the resulting cosmetic appearance. Cosmetic outcome depends on the type of reconstruction performed, rather than location and/or size of the defect.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC227
Presenter(s): COE, SARAH	University: Alvin Community College
Title: Archetypes in Marvel's Movie Adaptation of Tony Stark	
<p>Abstract: Tony Stark/Iron Man, the fictional character in Marvel's superhero universe, is reckless, smart, snarky, good-looking, and capable of becoming self-sacrificial and falling in love. The origins of all these traits involve archetypes. Robert Downey Jr.'s charismatic portrayal of Iron Man is a tremendous factor in what makes the character so successful in Marvel's recent superhero movies Iron Man, Iron Man 2, and The Avengers. However, it is also the appearance of numerous universal ideas, i.e. archetypes, that surround Tony Stark that make him a fan favorite. This research explores these archetypes throughout Tony Stark's life and the ways they inform his psychology as he appears in Marvel's movie The Avengers. The archetypes of the Gothic, or Byronic, Hero; Nature vs. Machine; The Great Father; and The Death-Rebirth Cycle as they appear in his life are explored as well as the imbalance of masculine and feminine that he embodies. Through these archetypes, his personality traits, his relationship to his father and mother, his capability of forming relationships with other people, the themes that surround Iron Man, and what the hero Iron Man symbolizes are analyzed.</p>	

Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC308
Presenter(s): CONDULLE, OSCEOLA DATA	University: Rose State College
Title: An Investigation of Analytical and Historical Developments of the Orbital and Celestial Dynamics	
<p>Abstract: The oral presentation will cover the investigation of analytical and historical developments of the orbital and celestial dynamics described from early (ancient) perspectives to the present day understanding with mathematical and physical modeling. We will discuss the various philosophies from ancient Greece and how its ideas influenced astronomy for many centuries. From there, we shall see how the ideas further developed into the ideas of famous scientists and mathematicians such as Johannes Kepler and Isaac Newton. Then we will discuss how it has shaped our understanding in modern times with applications.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC310
Presenter(s): COVINGTON, HANNAH	University: Oral Roberts University
Title: The Roar of War: Form, Content, and the English Soldier-Poets of World War I	
<p>Abstract: From the sweeping epics of Homer and long before, poets have written of war, its brutality, and its ability to inspire poetic works that so powerfully blend the primordial elements of art and violence. During the carnage of WWI, the English soldier-poets emerged from the trenches with taut war lyrics that made use of a distinctly modern voice of bitterness and irony. Few of these poets survived until the hellish conflict's armistice, but discussions about the aesthetic merit and literary value of their poetry have endured. This essay examines the differing styles and perspectives of Rupert Brooke and Wilfred Owen. Brooke's jingoistic, pastoral verses of 1914 stand in stark contrast to Owen's later lines of lurid bloodshed and pity. Examining these two poets in tandem thus becomes useful in tracing changes in poetic style and public opinion about the war. Pressed between the leisurely Edwardian and Georgian pre-war period and the high modernism of years immediately following, the English soldier-poets faced the rather arduous task of finding a poetic voice suited to their hellish experiences on the field of battle. The style of modern war lyric that emerged would have an indelible influence on future writers.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC224
Presenter(s): DAVIDSON, MICHAEL	University: San Jacinto College
Title: Computer Forensics	
<p>Abstract: The project the student is presenting discusses the background information of computer forensics, the process, and career opportunities involving computer forensics. The project was part of an Honors Contract project for English 2311 (Technical Report Writing).</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC306
Presenter(s): DAVIDSON, MADISON	University: Tulsa Community College
Title: The Inevitable Truth Exposed: Welfare Programs are Weakening the Poor	
<p>Abstract: Most can agree that any welfare program should lead to self-sufficiency if at all possible. However, some of the programs as designed prevent this from happening. For example, Temporary Assistance to Needy Families, also known as TANF, sets guidelines that result in many people being denied the help they need. In addition, the Supplemental Nutrition Assistance program, commonly known as SNAP or food stamps, encourages people to remain in their current low-wage jobs so they will not lose any of their benefits. The higher their already modest income is, the less help they receive from the government. To explore how TANF and SNAP are weakening the poor, this research project offers explanation of how these two programs work, outlining the problems that need to be confronted. Guidelines for these welfare programs make it nearly impossible for the working poor to escape poverty.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC227
Presenter(s): DE LA CRUZ, ADRIANA	University: Texas A&M International University
Title: Reducing Waiting Times at a Hospital Using "Arena"	
<p>Abstract: With the advances in technology, computer-aided simulations have been made possible. Computer-aided simulations have made advances in decreasing waiting time periods in healthcare settings. In this study, the waiting time period of the hospital's clinic is simulated using the software Arena. The data taken into account are the waiting times in the lobby, the times to get to a treatment room, the waiting times in the treatment room, the treatment times, the transportation times from department to department, and the times to be discharged. This data is entered into Arena to simulate the events. The events are simulated and in return Arena generates mean times of the waiting times and process times mentioned. With the data after the simulation runs, the clinic's process can be improved to reduce overall cycle times and attend to many more patients in an efficient and effective manner. Computer-aided simulation software such as Arena allow for process improvement in healthcare setting as well as in others.</p>	

Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC308
Presenter(s): DENHAM, AIMEE	University: Angelo State University
Title: Sequoia and Kings Canyon: From Experience to Campus Application	
<p>Abstract: NCHC Partners in the Parks Presentation -- Part III My presentation discusses my experiences during the NCHC Partners in the Parks trip to Sequoia and Kings Canyon. The trip focused on man's influence on the environment and how national parks have evolved to meet the demands and expectations of modern society. While on the trip, each honors student developed a project that was related to our field of study and the national park principals of conservation, historical preservation, and recreation, which could be implemented at our universities. The project that I proposed was to build an outdoor trail system on our campus. The trail would promote outdoor exercise and recreation, provide numerous educational experiences, and be a safe and accessible area for students, faculty, and the community. I am currently spearheading an effort to create a formal proposal for the trail system with support from the Honors Program and other campus entities. I will also discuss the importance of reflection and how being able to "unplug" from the world can lead to greater personal fulfillment. My experience has not only provided me with insight on the current environment of national parks and given me the opportunity to pursue a campus trail system proposal, but it has allowed me to gain personal growth that has made me a stronger and more determined individual.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC312
Presenter(s): DEW, ABIGAIL	University: Oral Roberts University
Title: Imagery of Thought	
<p>Abstract: This research explores the decided influence that methods of Freudian thought had upon the choreographic contributions of Martha Graham to modern dance, during the first half of the twentieth century. Graham's conceptualization of dance surpassed the religious dance terminology of her predecessor Isadora Duncan by dealing directly with the expression of the inner self. Throughout her career, Graham strove to use the medium of dance to psychoanalyze different breeds of narcissism, the use of the id, the ego and the super ego, as well as the adapting of surreal qualities. In her latter years, Graham's pieces had deeply psycho-mythological undertones. In fact, much of Graham's genius and innovation was a result of this attention to the impetus that inner metaphysical states and sensations produced on the body in space. Perhaps the most famous example of this is her development of the contraction. Freud's climate of ideas had a similar effect upon Graham's music choices, costuming, sets designs, etc. However, psychoanalytical thought was not merely limited to Graham's professional life, many of these same Freudian tenets about the subconscious were likewise reflected in her personal life. Graham's ability to channel her thoughts to create beautiful dance imagery won her much acknowledgement in her own day and age, but has also created for her a timeless legacy; a legacy that is still carried on to this day by the Martha Graham Dance Company.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC221
Presenter(s): DUKE, AMANDA	University: McMurry University
Title: PRAISE THY MOUNT, I'M FIXED UPON IT: FINDING A WAY TO BELIEVE GOD, BELIEVE IN HIS GOODNESS, AND BELIEVE IN HIS ABILITY TO RESTORE HUMANITY'S PAIN	
<p>Abstract: The key to the problem of pain is not found in denying it's difficult and complexity, or in deconstructing one's theology based on its difficulty and complexity. This author argues that the problem of pain, that is, the inability to corroborate God's goodness and humanity's experience of pain, can be solved by finding a way through the problem, embracing its difficulty and complexity. Pain could be more than just an affliction. Instead of seeing pain as a contradiction to a loving God, some pain could actually stem from a loving God. Here, one's view of pain might shift to see pain as a natural consequence of free choice, choice bestowed as a gift from a loving God. By this perspective, pain and suffering, though nevertheless unpleasant and even traumatic, can benefit humanity. Research is done through extensively examining experience, field study and scholarly work to discover the connection between redemption of pain and the goodness of God. In conclusion, the true crux of the argument is that, because God is good, pain exists and, even more unbelievably, that the God who is good allows pain to benefit humanity. This is the thesis that results from the research methodology described above. It is not a systematic answer to a solvable problem; rather, it is a journey through a difficult experience to gain understanding.</p>	

Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC307
Presenter(s): DURANT, AMY	University: Lone Star College North Harris
Title: Jamestown 1607: The Truth of America's Birthplace	
Abstract: While it is commonly believed that the first years of the Jamestown colony were a failure, academic research in the last decade has helped shine new light on the true nature of those who helped give our nation its birth. New evidence suggests the laws decreed by the Virginia Company held a stronger impact on the colonists' decisions than previously believed.	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC221
Presenter(s): ELDER, SETH	University: Alvin Community College
Title: Gender Typing's Role Among Major Social Institutions	
Abstract: Today, gender typing plays a large role in many societies, and has become so prominent that few take notice to its affects. Through the education system and various religions, traditional gender roles continue to prosper and shape the world we live in. Cultures are often built around the central idea of separate identities for men and women, and rarely tolerate any deviations from these identities. The boundaries, set by gender typing, can be quite severe and have greatly dictated many lives. Society has instilled gender typing, yet naturally humans are complex beings that cannot simply be defined by gender. As humans, we must realize this, and put an end to the vicious cycle.	
Oral Presentation Session: 1:45-3:15pm	Location/WTAMU: Legacy Hall
Presenter(s): ELDRIDGE, AUSTIN	University: Lee College
Title: Galveston Bay: 1979 to 1981 - Racial Terrorism in a Small Texas Town	
Abstract: At the conclusion of the Vietnam War, refugees seeking political asylum found solace in the United States, and many of those who fled their home country found a new home along the Texas Gulf Coast. As a group, the Vietnamese demanded less material goods, worked longer hours, and combined financial resources to help purchase more boats and fishing equipment. This caused the Vietnamese to develop a strong presence in the Gulf Coast fishing industry, particularly on San Antonio Bay and on Galveston Bay. Their competitors felt threatened by this new force in the waters of the Gulf of Mexico, which led to a fierce economic clash. During the years between 1979 and 1981, tensions grew among the Vietnamese fishermen and the local Texas residents. Their main concerns included unwritten fishing agreements and economic dominance issues that would soon erupt into a conflict rife with racial prejudice and acts of terror. The Vietnamese obtained a reprieve from harassment by filing suit against the Ku Klux Klan, and a Federal court ruled in the Vietnamese' favor. Despite the efforts of the Ku Klux Klan, the Vietnamese overcame racial prejudice and established a strong presence in the Texas gulf coast fishing industry.	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC310
Presenter(s): FERGUSON, ABIGAIL	University: Lone Star College Tomball
Title: Lynda Barry's One! Hundred! Demons!: The Connection Between Childhood and Creativity	
Abstract: Lynda Barry's graphic novel, One! Hundred! Demons! examines the myths associated with childhood in a revolutionary style that has liberated the comic-female form from the tyranny of testosterone. Demons! discusses modern topics such as sexuality, racism, child abuse and even politics, but these issues are explored autobiographically, within the context of Barry's girlhood, which is a radical concept even by today's standards. While the comics industry may continue to be dominated by men who explore these same topics, it is never from the realistic perspective of a young girl. Demons! is a compilation of Barry's different comic styles and themes that have been reflected in all of her works, with an added stylistic method of collage. The use of collage in Demons! represents the fractured nature of Barry's childhood and gives the reader additional context clues in order to understand the sensitive nature of each comic strip. These elements allow Barry to explore two important concepts, childhood and creativity, from a personal viewpoint that engages her audience, and even invites them to tap into their own creativity. The focus of this project is to analyze Barry's One! Hundred! Demons! and elaborate on the concepts listed above, which will demonstrate the radical nature of this work. The presentation will include an oral explanation of my analysis, with visual aids corresponding to these topics.	

Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC225
Presenter(s): FISH, KAITLYNN	University: West Texas A&M University
Title: Student's Perceptions on Age-Discrepancy	
<p>Abstract: This study will examine West Texas A&M University students' reactions to the particular Taboo of age gaps in a romantic relationship. Specifically, the study will depict an exceptionally older female with a much younger male by way of visual methods to imitate the amount of information given to them in a real setting of seeing these people. The purpose of the study is to assess if there is any negative or positive reaction by these groups of students to a situation portraying something considered out of character or taboo. The expected outcomes of this study will be a paper; however, the study is not complete at this moment.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC227
Presenter(s): GARCIA, TANYA	University: Texas A&M International University
Title: Pediatric Occupational Therapy	
<p>Abstract: Pediatric Occupational Therapy focuses on improving the daily lives of infants, toddlers, children, and young adults ages birth through twenty one. Those who need occupational therapy are children who have disabilities or difficulties engaging in their everyday lives, such as fine motor skills, sensory motor skills and visual motor skills. Other disabilities common in children that require occupational therapy in order to improve include the following: Autism, down syndrome, cerebral palsy, developmental disabilities, along with others. Children with any disability may encounter psychological issues to a certain extent due to how they, the people in their surroundings and their environment view their disability. The environment in which the children engage in daily greatly affects their psychological well-being. This study will examine how occupational therapy and psychology are related and essential to understand when treating children with disabilities</p>	
Oral Presentation Session: 4:20-5:20	Location/WTAMU: CC223
Presenter(s): GONZALES, NANCY	University: McLennan Community College
Title: Uncovering the Issue of Fraud. An Academic Cooperative integrating both case study and internship learning opportunities.	
<p>Abstract: Many economists have debated the role of accountants in the recent financial crisis. More specifically, some economists have tried to pinpoint the role of auditors. Some economists argue that the lack of transparency in companies' financial statements led to the financial crisis. Whether this is true or not, the role of the auditor, connected with transactions, accounts, systems and other processes performed to regulate and evaluate the financial health and well-being of an organization, is critical for any future accountant/CPA to better understand. With this in mind, a case study approach, combined with an internship at a well-established accounting firm, provided a valuable training ground for an Honors scholar and future accountant to uncover and better understand infamous scandals, such as Enron, develop knowledge and skills for the auditing process, and create an auditing manual. This invaluable learning opportunity will be highlighted.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC309
Presenter(s): GONZALEZ, VICTOR	University: Brazosport College
Title: The Devil versus the "City upon a Hill": The Peak of Corruption in the Salem Witch Trials	
<p>Abstract: There is little doubt among historians that the people executed during the Salem Witch Trials were innocent. This seems to be the only fact on which scholars can agree, as the exact details of Salem have remained a complete mystery. As much as people would like to believe that the trials were an unintended and unfortunate accident, there are still too many questions left unanswered – questions that seem to indicate otherwise. It is no surprise that the trials were riddled with fallacies, but how could everyone believe such unreasonable claims? Did the people of Salem truly let their suspicions get the better of them, or were there ulterior motives? What role did the political figures have in this tragedy, and why did they turn away from the hysteria? Even after the town stopped the persecution of "witches" no one was held accountable. Clearly, there is more to this story than a town gone mad and the wrongful execution of a few innocent men and women. The purpose of this project is to explain the Salem Witch Trials by examining the politics, motives, and differing views among the people of Salem. With the help of court documents, historical sources, and written accounts, it will help account for the forces at work in Salem that made such widespread hysteria possible.</p>	

Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC307
Presenter(s): HADWAL, JOSEPH	University: Midwestern State University
Title: The Election of 1928	
<p>Abstract: The purpose of this research is to identify the varying elements that contributed to the 1928 American Presidential election. The research shows that the 1928 campaign was a contest that did not focus on a pressing national issue. Instead the election was fought and won on the grounds of an ideological clash between the two major political parties. This conclusion was reached by a consensus of the primary newspaper sources and secondary book and article sources. The Republican Party in this election focused on the perceived economic prosperity of the Coolidge administration and the enforcement of the Prohibition amendment. The Republicans chose Herbert Hoover to represent their party. Hoover was an accomplished administrator and was a Protestant whose traditionalist values represented Middle America. The Democrats challenged the Republican Party's policies regarding agriculture, the use of natural resources, and the economy. However the Democrats chose Alfred Smith who was a New York Catholic and known to disfavor the Prohibition laws. Equal to Hoover in administrative talent, Smith represented a new progressive America. This ideological contest known as the 1928 election changed party lines and formed political divisions that can be linked to the modern era. For this reason the 1928 election is considered a critical election.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC227
Presenter(s): HAGGERTON, HALEE	University: Texas Tech University
Title: Pontypool: Zombie Film or Not?	
<p>Abstract: The study of zombie culture is a relatively recent phenomenon, although the zombie is prominent in pop culture. The zombie appears in numerous films and literature, but what constitutes a zombie film remains controversial. My presentation discusses whether or not the creatures in the Canadian film Pontypool are actually zombies and will explore the unique features that the movie offers the zombie genre. Based on the movie's reviews and my own cinematic analysis, I argue that Pontypool is, in fact, a zombie film based on its creative portrayal of gore and infection that distinguish the genre.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC227
Presenter(s): HALL, LISA	University: Alvin Community College
Title: Psychologist-Client Relationship as Portrayed in Film	
<p>Abstract: Many popular Hollywood films use the therapist client-relationship to add more dynamic plot twists in their movies and are not at all concerned with the correct portrayal of therapists and therapy. Because of this misleading portrayal of therapists in film Hollywood movies contribute to the unrealistic expectations of potential clients about what therapy involves. Film tends to focus on the most disturbing and the most extreme cases of bad depictions of therapy. Dr. Irving Schneider's developed five stereotypes that are displayed in the films Good Will Hunting, Ordinary People, Anger Management, A Clockwork Orange, and The Prince of Tides. Critics in the field of psychology generally agree that Hollywood contributes to negative public perceptions of therapist-client relationships, but some critics see teaching value in bad depictions. Mental health professionals and Hollywood would work best together if they could team up and create positive depictions of therapist-client relationships in film while keeping plots interesting.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC308
Presenter(s): HARRIS, MICHELLE	University: Tulsa Community College
Title: Creative Abolitionism: An Educator's Hands-on Tool for Increasing Awareness of Human Trafficking	
<p>Abstract: Human trafficking is the world's fastest growing international organized crime. It has surpassed arms trafficking in annual revenue and now ranks second only to drug trafficking, yet many Americans possess little to no awareness of its existence and, consequently, little empathy for its victims. Despite human rights advances of the past hundred years, recent statistics compiled by the United Nations indicate as many as 27 million people are enslaved in some form or another. Through my research and discussion for an Honors Composition II assignment, I created a group activity called Trafficked to provide students with direct experience rather than textbook study. Using simple economics and employing rapid succession scenarios drawn from real-life instances, a facilitator guides students through a 12-minute exercise designed to reveal the scope of this pervasive global challenge. Surveys administered pre- and post-activity indicate measurable increases in both awareness and empathy. Attendees will view the activity's accompanying Power Point presentation and receive the same take-action handouts distributed to students.</p>	

Oral Presentation Session: 1:45-3:15pm	Location/WTAMU: Legacy Hall
Presenter(s): HERBELIN, MICHELLE	University: McLennan Community College
Title: The Caged Yankees Sing: A Musical History of the Andrews Raid of 1862	
<p>Abstract: This presentation examines a group of Union prisoners from the failed Andrews railroad raid of 1862. Historians of the Andrews Raid have taken note of the raiders' near-nightly singing, but no serious inquiry has been made into that facet of their captivity. Singing was fondly remembered by surviving raiders, and their accounts even recorded specific songs. The song choices reveal valuable information about their backgrounds, personalities, and collective state of mind during their imprisonment. Singing maintained morale among the prisoners and engendered sympathy among their guards and the citizens of Chattanooga, who would gather outside the jail to listen to the "caged Yankees."</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC225
Presenter(s): HERNANDEZ, GIANCARLO	University: Lone Star College-Montgomery
Title: Shock Tubes: An Introduction to Fluid Dynamics	
<p>Abstract: Oil and gas transmission lines are generally operated at high pressures; therefore, the composite materials subjected to high-pressure dynamic loadings need to be tested. Shock tubes are devices used to investigate compressible flow phenomena and gas phase combustion reactions. The simplest form of a shock tube is composed of two sections filled with gas; one at high pressure, and the other at low pressure. In a shock tube, a typical shockwave is produced by the sudden bursting of a diaphragm separating these sections, simulating other explosions so that their effects may be evaluated. The propagation of the shock sets the gas in motion relative to the shock-tube walls. Different models can be constructed and analytical solutions found by extending the differential equations representing conservation of mass, energy and momentum to discontinuous fluid variables. The density, pressure, particle velocity and temperature of a fluid are discontinuous across the shock boundary. In my project, shock-wave theory will be applied to one-dimensional gas dynamics and traffic flow based on conservation of mass. Between on- and off-ramps on a freeway, the number of cars is normally conserved, and so the equations of fluid dynamics may be used to predict the behavior of vehicles on the freeway.</p>	
Oral Presentation Session: 1:45-3:15pm	Location/WTAMU: Legacy Hall
Presenter(s): HESSE, LUCY	University: Washburn University
Title: The Development of Economic Systems: A Case Study of the Baltic States	
<p>Abstract: Since gaining independence from the Soviet Union, the nations of Estonia, Latvia, and Lithuania have experienced rapid rates of economic growth. This case study aims to evaluate the economic institutions that the Baltics experienced as a part of the Soviet Union, as well as the institutions adopted by the Baltic States after gaining independence in 1991. This paper examines how these institutions influenced economic development in the region over the course of the next two decades. All three nations developed a mix of policies designed to simplify economic transactions and establish economic stability while working toward an end goal of joining the Eurozone. The Baltics experienced growth until 2008, when the financial crisis prevented early Euro adoption for Latvia and Lithuania. The Great Recession has had far reaching implications for all three Baltic countries as they work toward becoming a part of the larger European Union economic institution, the Eurozone.</p>	
Oral Presentation Session: 1:45-3:15pm	Location/WTAMU: Legacy Hall
Presenter(s): HOSSENLOPP, CASSADY	University: Angelo State University
Title: Detection and Identification of the Dengue Virus that Tested Positive by ELISA but Negative with Conventional RT-PCR	
<p>Abstract: The dengue virus is the most common arbovirus in tropical and subtropical regions of the world. Every year, the dengue virus affects over one hundred million people and results in the death of approximately 24,000 individuals. I was privileged to participate in an ongoing research project of the Armed Forces Research Institute of Medical Sciences in Bangkok, Thailand. This study's objective was to detect and identify the dengue virus from samples that tested positive through ELISA (a test that is used to determine if a serum sample is positive for the dengue viruses) but were missed by conventional RT-PCR testing. As my contribution to the project, I helped perform typing ELISA on 35 serum samples, design new primers to identify the virus mutants, and then test the new primers using conventional RT-PCR on 50 samples. We were able to detect 22.86% of the dengue virus mutants by typing ELISA and 22% of them by conventional RT-PCR using the new primers. The laboratory results were analyzed with the clinical data to recognize any possible trends between viral symptoms and the percentage of detection. We observed that each method can detect the dengue virus differently depending on the patient's clinical analysis. The research study provides new tools to improve the detection and diagnosis of the dengue virus in the circulating area of Bangkok, Thailand, and expands understanding of how the dengue virus is mutating in the surrounding areas.</p>	

Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC224
Presenter(s): HUMMEL, DARNELLE	University: McLennan Community College
Title: A Qualitative Study: A Texas Portrait of the Social Work Professional	
<p>Abstract: According to the Bureau of Labor Statistics, employment of social workers is expected to grow 25 percent from 2010 to 2020. Driven by increased demand in health care and social services, this growth exceeds the average in all other occupations. Through an independent study project conducted through an Honors Academic Cooperative, a qualitative study was used to better understand career opportunities in the social work field. Using an informal information interview, fifteen social workers were interviewed to better understand this profession, uncover the benefits and drawbacks of working in this field, and provide a more complete portrait of a career that serves to understand human problems and improve people's lives.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC309
Presenter(s): JACKSON, MISTY	University: Alvin Community College
Title: A New Look at the Old Forest: Examining Hawthorne's Use of Nature in The Scarlet Letter	
<p>Abstract: This paper analyzes Hawthorne's use of Nature in The Scarlet Letter. Beyond personification, it becomes an independent character with its own voice of compassion, approval, and warmth. Hawthorne uses this as a contrast to the harsh and rigid Puritan society that is the setting for the novel. The relationship of each main character to the natural world provides a platform for Hawthorne's ambiguous style; simple statements often have deeper meanings when scrutinized in reference to their natural surroundings. Pearl's character and her depiction as part of nature are discussed in depth as a departure from the setting's societal norms and as a foil to other characters. Hawthorne's intense use of subtle dichotomy is persistent throughout the novel providing multiple layers for depths interpretation.</p>	
Oral Presentation Session: 1:45-3:15pm	Location/WTAMU: Legacy Hall
Presenter(s): JENNINGS, CAROLINE	University: Tulsa Community College
Title: Behind the Veil: The Hidden African in Lydia Maria Child's "The Quadroons"	
<p>Abstract: Published in 1842 in the journal The Liberty Bell, Lydia Maria Child's short story "The Quadroons" reinvents the literary representation of the mulatta into the Spanish moor with undertones of the Gothic tradition for commercial and artistic purposes. This reconstruction advances Child's abolitionist convictions and grants the mixed race woman's experience a wider readership and increased social attention. Textually, Child's references to a fifteenth-century Spanish ballad translated by John Gibson Lockhart, as well as an allusion to Wordsworth's Excursion parallel the dramatic situation of Child's heroines, enriching readers' understanding of slavery's cruelties while conforming to nineteenth-century interest in the exotic. This is accomplished by the narrative's alchemy of nineteenth-century sentimentalism, the domesticity of ladies' magazines, and folkloric imagery of motherhood. However, these elements do not inhibit the mulatta's narrative, but enhance her literary genealogy even as her African authenticity is diminished. Child's social mission, to inform her readers of slavery's brutality toward women, is accompanied by comparisons to Islamic women and an exploration into the slave woman's disrupted motherhood.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC308
Presenter(s): JIANGYUE, GONG	University: Lone Star College-Montgomery
Title: That Is Also Life	
<p>Abstract: According to the statistics offered by International Labour Organization (ILO), throughout the world, around 215 million children work, many of them even work full-time. It is a world wide problem, but various from different regions. Chronic poverty and the inadequate educational system have contributed most to the prevalence of child labour. In a 1998 policy paper, the World Bank described child labor as "one of the most devastating consequences of persistent poverty" (Peter) Children from poorer families were clearly at a higher risk of employment. This finding was confirmed using various measures of household income. Extreme forms of child labour are clearly linked to extreme poverty. Others blame deficient economic and educational policies for child labour. Aside from the lack of school opportunities, low-quality schools, the absence of choice in educational provision remains one of the greatest impediments to attaining the goal of universal basic education.</p>	

Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC307
Presenter(s): JOHNSON, BRAD	University: John Brown University
Title: "Natural Law and Constitutional Jurisprudence"	
<p>Abstract: Currently, two opposing legal philosophies dominate constitutional interpretation: progressivism and originalism. While progressivism asserts that the Constitution should be a "living document," originalism posits that the founders' original intentions in creating the Constitution should guide judicial decisions. Both views, however, allow for little to no room for natural law. Therefore, this paper explores whether natural law should be a legitimate foundation for the exercise of judicial review by placing ancient and medieval thinking about natural law in its modern legal context. Beginning with the ancient philosopher Aristotle, this paper first inquires into the ideas that created the concept of natural law. As history progresses, however, so too does the development of the concept of natural law. Resultantly, my research also examines medieval philosophers such as Aquinas and Scotus, who utilize the fundamental principles of the ancients to develop more complete theories on law. Finally, I investigate the beliefs of modern legal scholars, such as Hadley Arkes, J. Budziszewski, and Jeremy Waldron, who apply these theories to the United States Constitution. After tracing the evolution of ideas behind natural and positive law through history, my research concludes that not only does all judicious positive law stem from natural law, but also that natural law should govern legal decisions in the United States courts.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC307
Presenter(s): KIMBALL, BROCK	University: Missouri Western State University
Title: Cell Phones: Cigarettes for the Mind	
<p>Abstract: Digital natives have grown up in an environment dependent on technology. With the increasingly popular smart phone, cell phone usage among digital natives has increased. With this increase of usage this research tries to determine if cell phone addiction among digital natives is so severe as to compare it to drug addictions such as nicotine. A survey of 57 people along with other previous studies found that cell phone usage is getting extreme. There is definitely a possessive attachment between digital natives and their cell phones. We cannot however call cell phone usage a severe addiction due to the limited research conducted on the physical reaction of the brain during cell phone stimulation.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC225
Presenter(s): KIRBY, DYLAN	University: McLennan Honors College
Title: From Theory into Practice: The Role of the Service Project in the Honors College	
<p>Abstract: The classroom: A great place to grow and gain knowledge about the outside world. It is an environment that facilitates discussion, reinforces knowledge, and provides preparation for the future. But then what? What about putting that theory into practice? In the McLennan Honors College, scholars are given the opportunity to tackle this question. Through an independent study project, known as an Academic Cooperative, scholars are given the chance to work directly with the community on topics of their own choosing. The importance of this course is multidimensional and produces a variety of results. Ultimately, scholars come away with an experience that opens them up to a brand new perspective and learning at a much richer level. In this service project, the field of Social Work will move from textbook knowledge to real life application. With the expertise and knowledge of Case Managers and other staff members at the Mission Waco/Mission World Meyers Center, an organization which serves as a hub for social services for the marginalized and impoverished in downtown Waco, an Honors scholar will share how the theories learned in the classroom translate into real world situations.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC308
Presenter(s): KNOX, DUNCAN	University: Angelo State University
Title: Fire Island to Ellis Island: A Historical Awakening	
<p>Abstract: NCHC Partners in the Parks Presentation -- Part II During this presentation I will describe the historical and cultural issues discussed during the NCHC Partners in the Parks Fire Island to Ellis Island program. Topics include: the Harlem Renaissance, immigration and its effects on New York City, ecological issues involving Oyster Bay, the development of parks and bridges throughout the city and the social and political issues that affected Fire Island. I will also talk about my reasoning behind choosing to participate in this program, the importance of experiential learning, and the impact this encounter had on my life and my academic journey.</p>	

Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC307
Presenter(s): L'ANGLAINS, ROXY	University: Lone Star College - Montgomery
Title: The Importance of Interpretation: Determining Constitutionality	
<p>Abstract: In this project, I will address the theory of originalism and how it applies to the interpretation of the Constitution of the United States. The intent of my presentation is to examine both the theory of originalism in its context today and the arguments made in opposition to it, as well as the alternative theory of considering the Constitution to be a living document. I will consider both modern and historical sources that discuss originalism, how it is defined and how it is practiced, as well as how it has been practiced in the past. I will take a brief look at the framers of the Constitution and their possible intent with regard to how the Constitution was meant to be interpreted. The interpretation of the Constitution, or lack thereof, is very important because it leads the Supreme Court Justices to make their decisions in the highest court of the land. Part of this presentation will examine our current Justices of the Supreme Court and their views on or against originalism. The opinions of a few other notable figures that study the law and/or history will also be noted. I will also be addressing the mutual exclusivity of the two principles of interpretation. My research is designed to create a valid and thorough comparison of the two schools of thought regarding the interpretation of the Constitution of the United States of America.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC306
Presenter(s): LARIOS, ELIZABETH	University: Rose State College
Title: Your Perception isn't their Reality: the Many Faces of Homelessness in America	
<p>Abstract: My ethnographic study reports on American homelessness from the perspective of volunteer coordinators with five organizations in the Oklahoma City metro area. These volunteers share their experiences on the many roads to displaced and chronic homelessness they have seen in the life stories individuals they serve. Interviews with homeless or formerly homeless individuals reveal that their economic and health hardships brought them to this situation from all walks of life. I intend to show that homelessness is not a distant problem impacting a small segment of the community but a chronic societal tragedy that touches all of our communities and can be remedied through civic intervention.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC312
Presenter(s): LAUERSDORF, CHERYL	University: Lee College
Title: Galveston's Balinese Room Presents: Bootleggers, Big Bands, High Rollers, and Headliners	
<p>Abstract: In 1910, two young Sicilian brothers, Rosario (Rose) and Salvatore (Sam) Maceo, boarded a ship for Galveston Island with hopes of claiming the American dream. They First working as barbers, they soon learned prohibition had created a more profitable business. After garnering enough profit from boot-legging, they purchased their first restaurant. There would be many more businesses built by the Maceos with each improving from the last, all complete with illegal booze and gambling. In 1941, the Balinese Room was created. No other club in the nation compared; twenty-three years would pass before Las Vegas would have its first hotel or casino. Although the club was renowned for its décor, food, service, entertainment, and gambling room, the most infamous and defining feature was the six-hundred-foot pier the club was built upon: the Maceo brother's weapon for outwitting their nemesis, the Texas Ranger. Through the brothers' strength, leadership, business savvy, and humanitarian-filled spirit, they would transform the island to an exceptional destination that sparkled and shined, as though the sands of its beaches were created from gold and diamond dust.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC312
Presenter(s): LEME, ALEXANDRO	University: UALR
Title: Straight Documentary Photography and Surrealism: A Dialectical Resolution	
<p>Abstract: The origin of Surrealism can be traced back to early 20th century Paris, where it began as a literary movement. Surrealist writers sought to free the subconscious from mediated responses through the concept of automatism. In 1924, with the publication of the Manifeste du Surréalisme by André Breton, the Surrealist movement was officially launched. Surrealism in photography was hitherto performed mainly by the actual darkroom manipulation of the images. As diverse as these techniques may have been, there is one form that merits further development: the Surrealist, but straight, documentary photography. Numerous studies have already scrutinized several aspects of the staged and manipulated photography produced within Surrealism. Little, however, has been explored surrounding ideas of documentary photography. For this reason, this paper endeavors to disassemble the barriers between "the real and the surreal," ultimately striving towards their dialectical resolution. Underpinning this study is the premise that a single photograph may shift meaning as it moves from the place where it has been taken to the place where it is published or viewed. It is assumed that the articulation of the work within the context of its reception can unveil its Surrealist dimension. Secondly, it entails probing into what the Surrealists, chiefly André Breton, might have said about photography or how one might read an image through Surrealist lenses.</p>	

Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC306
Presenter(s): LLOYD, TONYA	University: Alvin Community College
Title: NIGERIA: The Hope of a Child	
<p>Abstract: When you live in a land rich in agriculture whose economy thrives from its growth of crops, abundance of animals and other natural resources, and whose government prospers greatly from its exports and imports more than any of its bordering nations, your expectations for this country's quality of life is elevated. Surely the residents of this great would thrive simply by taking advantage of natural resources. Thus, you may become confused to discover the truth: that in a world where men walk on the moon, robots perform surgery on cancer patients, and airplanes can travel up to 7,000 mph, there is a parallel world where 66% of the people live beneath the gross poverty level, hospitals operate without electricity, and children die at a rate of 90,000 per year from treatable conditions. This world does exist, in a physically petite but agriculturally wealthy country called Nigeria.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC307
Presenter(s): LOGSDON, JOSHUA	University: Angelo State University
Title: The Poor, the Penniless, and the Paupers: A Study of Social Welfare in Early Tom Green County, 1875-1930	
<p>Abstract: During the last quarter of the nineteenth century, a substantial number of poor people who could not support themselves lived in Tom Green County, Texas. From its inception in 1874, the county cared for and supported the well-being of these residents. This is surprising as government care for the poor had not yet become widespread. From its founding, the county paid for the burial of paupers in local cemeteries. As early as 1878, prominent citizens received compensation to care for these indigents in the area. As the nineteenth century waned and the twentieth century dawned, the county came to care more and more for the poor. Services ranged from providing food and paying medical fees to housing the needy in the county jail, poor houses, or poor farms and funding monthly stipends to cover various expenses. This paper examines the phenomenon of local government support of the poor and the extent of Tom Green County's policies toward them through County Commissioners' Court minutes, local newspapers, and archival collections donated by West Texas families.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC224
Presenter(s): MATOS, MARY ANNE	University: Johnson County Community College
Title: Media in the Hunger Games	
<p>Abstract: Media bombards us with information at all times. How often do we stop to think about its influence on our opinions and behaviors? While some of us may wish to believe that we are capable of being informed without being persuaded, to some extent or another, we are all manipulated by media. Many theories about how media influences our current society can be seen in action in the Hunger Games trilogy, written by Suzanne Collins, with remarkable verisimilitude. In order to explore media and its effects on people, one can observe Katniss Everdeen as she becomes a tribute, a victor, and a leader, as she understands the power of media. Her varying degrees of awareness, understanding, and manipulation of televised content accurately reflect how our own society responds to it as well.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC225
Presenter(s): MCCRADY, J. KEEGAN	University: Lubbock Christian University
Title: Testing Stress: The Effects of High-Stakes Testing on Salivary Cortisol Levels in Science Students	
<p>Abstract: This study was initiated to determine if High-stakes testing in a Majors Biology I course caused an increase in salivary cortisol levels in students participating in a one-semester course. High-stakes testing is considered a stressful event and chronic, elevated, concentrations of cortisol have been associated with detrimental physiological conditions such as fatigue, poor cardiovascular health, weight changes, and memory loss. Salivary cortisol will be collected from twelve randomly selected male students in Majors Biology classes and analyzed using an expanded range high sensitivity salivary cortisol enzyme immunoassay kit from Salimetrics. The courses are designed such that three different instructors teach and administer two examinations each, totaling six exams per semester. Pre-test, post-test, and grade reception samples will be collected for each of the examinations. Expected results should demonstrate that 1) salivary cortisol levels for pre-test, post-test, and grade reception are elevated compared to controls, 2) salivary cortisol levels gradually decrease with frequency of testing, 3) specific instructors induce variations in salivary cortisol among all students, and 4) a shorter length of time necessary for a student to complete an examination will positively correlate to lower salivary cortisol concentrations. The results of this study will impact pedagogy in the department and could have advantageous health benefits for future students.</p>	

Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC308
Presenter(s): MICHAUD, YVONNE	University: Midwestern State University
Title: Human Impacts on Oceanic Diversity	
<p>Abstract: It is only within the last few decades that humans have realized that we are destroying oceanic biodiversity. We are doing this through several methods, some direct, such as overfishing, and some indirect, such as the negative effects of pollution on coral reefs. The term "biodiversity" was coined by Walter Rosen, and according to E.O. Wilson in his book <i>Naturalist</i>, its definition is, "The totality of hereditary variation in life forms, across all levels of biological organization, from genes and chromosomes within individual species to the array of species themselves and finally, at the highest level, the living communities of ecosystems such as forests and lakes". As you can tell from the definition, biodiversity is a very complicated notion. This complication is multiplied by the many facets of how humans are changing the oceanic ecosystem. In this paper I will briefly describe some effects of overfishing, the melting ice caps, and the increased acidity of the ocean waters. Individually, these anthropogenic changes would cause fluctuations in the diversity of ocean life, but together they are causing irreparable damage.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC307
Presenter(s): MIKES, COLTON	University: Brazosport College
Title: Gaming or Addiction?: The Recognition, Definition, and Treatment of Computer Game Addiction as a Psychiatric Disorder.	
<p>Abstract: While the American Psychiatric Association does not recognize computer game addiction, the American Medical Association estimates that ninety percent of children play computer games and that fifteen percent or more may be addicted. In 2007, the American Psychiatric Association determined that there was insufficient research into computer game addiction to include it as a mental disorder in the fourth edition of the Diagnostic and Statistical Manual of Mental Disorders. However, a new category for non-substance addiction was added, recognizing that certain behaviors can contain the same addictive properties as drugs or alcohol. The most difficult issue for psychologists in studying computer game addiction is the difference between excessive gaming and a game addiction. Simply playing games for a lengthy amount of time is not enough to categorize as "addiction." The player must experience negative results in his or her health and personal life before addiction can be considered a possibility. Addictive gaming habits have two major causes: personal life issues; and design elements inherent to the games such as online role playing games. In recent years, psychologists such as Kimberly Young and Hilarie Cash have addressed game addiction by developing treatment options for gaming addicts and family and friends of gaming addicts.</p>	
Oral Presentation Session: 4:20-5:20	Location/WTAMU: CC223
Presenter(s): MILES, HOLLY	University: Angelo State University
Title: Bureaucracies: Problems and their Causes as Evidenced by a Study of the Texas Department of Motor Vehicles	
<p>Abstract: Bureaucracies are a rational organizational model intended to expedite and structure all manner of organizations, from businesses to government agencies. The bureaucratic process is guided by six principles of efficiency, which, in theory, should streamline all administrative processes. However, this is rarely the case. Bureaucracies are known for sluggish processes, an exorbitant amount of paperwork, and lengths of red tape. Four main causes are often at the root of these problems: alienation, ritualism, inertia, and oligarchy. Each of these four causes will be explored and developed through an analysis of a quotidian bureaucracy: the Texas Department of Motor Vehicles. This analysis will provide a descriptive look at the problems that bog down what should logically be a productive, organizational model of administration, in the context of a well-known bureaucracy. Overall, this research will contribute to the understanding of bureaucracies and how they function.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC221
Presenter(s): MILLER, LEAH OLDMIXON	University: Lone Star College-Montgomery
Title: Fertility and Family Planning: Communication and Resources for the Adolescent and Young Adult Cancer Patient	
<p>Abstract: Each year approximately 72,000 adolescents and young adults, aged 15-39, are diagnosed with cancer. Although there have been advances in the treatment and care of the traditional cancer patient, the outcomes for the adolescent and young adult cancer patient have failed to improve over the last 3 decades. This project will focus on educating nurses, particularly oncology nurses, about the unique needs of the adolescent and young adult, or AYA, patient diagnosed with cancer, with special consideration given to family planning and fertility options. Current research has demonstrated a need for assessing the reproductive concerns of this patient population, and educating both the patients and the nurses in the available options. Other research has focused on the need to develop resources aimed specifically at the AYA population in regard to explaining fertility and family planning. Although information is starting to emerge, many nurses remain unaware of the unique needs of the adolescent and young adult facing cancer and how to deal with them. Therefore, it is important to open the lines of communication between nurses and their AYA cancer patients. By enhancing the awareness of oncology nurses about the importance of discussing fertility options with AYA cancer patients, and providing nurses with the tools needed, there can emerge an improvement in patient care.</p>	

Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC225
Presenter(s): MIYATAKE, SHUNYA	University: Emporia State University
Title: Statistical Analysis of a Batting Average Ranking Algorithm	
<p>Abstract: In this project we investigated the fundamental dilemma of comparing two quantities with an unequal number of trials. For example, consider two baseball players: one with a batting average of 0.400 (4 hits in 10 at bats) versus another with a batting average of 0.350 (35/100). Which batting average is more impressive? While we naturally want to use percentages to make comparisons, the number of trials affects the confidence we have in those percentages. Similar questions arise when comparing free throw shooters, hotel ratings, YouTube video popularity, and so forth. The goal of this project was to find a ranking algorithm more effective than the ones currently used for baseball players based on batting average. Applying the confidence interval analysis and the Wilson score interval method, we analyze each algorithm's effectiveness required collecting Major League Baseball data from 2010, 2011, 2012 and extensive use of a spreadsheet to run over a 1000 trials based on this data. Based on my calculations, I have identified an effective model, when compared to standard approaches.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC306
Presenter(s): MOORE, AMBER	University: John Brown University
Title: Allied Powers and Civilian Targets: War Crimes in Western Europe?	
<p>Abstract: I will be conducting research on the Allied bombings of German civilian targets during World War Two, with an emphasis on the bombings of Hamburg and Dresden. I will be studying government documents, newspaper articles, letters and memoirs of witnesses and bombers, as well as secondary sources. I will be evaluating the military necessity of these civilian bombings. In order to do this, I will evaluate the effect of Allied bombings on military and industrial targets to determine if the German infrastructure was collapsing without the aid of civilian bombings. I will also discuss the element of revenge that was present; the civilian bombings in London are arguably a motivation for the Allied bombings of cities like Hamburg and Dresden. By discussing the Allied Powers' tactics in the air war over Europe, I will assess rather or not the bombing of civilian targets were militarily unnecessary.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC312
Presenter(s): MOORE, CALEB	University: Lee College
Title: The Double Bayou Dance Hall	
<p>Abstract: In the flat marshlands of east Texas, in the coastal county of Chambers, just south of the Alligator Capital of Texas, Anahuac lies the small, predominately African-American community of Double Bayou. Double Bayou, Texas, "named after the twin natural waterways that define the local topography, " is just one of many small Texas towns through which a person would rarely, if ever, drive through and might never know he did. That person would never know about the people who have lived there, the work that was done there, the history that was made there, or the music heard echoing through the woods. However, passing by the rickety old shacks, un-kept lawns, and mossy oak trees that seem to surround every inch of that land, they would have no reason, or desire, to know about the history of this one-horse town.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC224
Presenter(s): MOSIER-DUBINSKY, JOY	University: Johnson County Community College
Title: 1968: The Purpose and Effects of Television and Music	
<p>Abstract: While the decade of the 1960s as a whole was a time of change and upheaval for the United States, the year 1968 represents one of the greatest single periods of unrest in the history of the nation. Building on the post-war boom of the 1950s, the Sixties can be seen as the decade when America first became steeped and saturated in media. With the emergence of the transistor radio, the average American was "plugged in," both in and outside of the home. When we position the historical events of 1968 against the media of television and music, we see that music, due largely to its immediacy, offers a more accurate depiction of the times, while television, with few notable exceptions, serves more as a distraction.</p>	

Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC308
Presenter(s): MOTL, SEAN	University: Angelo State University
Title: Sensationalizing Genocide: The balance Between Exploitation and Education in Rwanda	
<p>Abstract: Since the 1994 genocide in Rwanda, the current authoritative government run by the Rwandan Patriotic Front (RPF) has created a polarized view of the genocide by distorting its history in order to propagate divisionism, giving them free reign over the political atmosphere. Genocide memorials in particular operate on a fine line between preserving history in order to prevent future atrocities through education and sensationalizing history as a means of political exploitation. Memorials must serve multiple purposes with expectations ranging from self-discovery to morbid curiosities about massacres to a social calling-card for genocide prevention. The media and the RPF have also sensationalized the genocide through a process of herofication and victimization. Furthermore, with many memorials in Rwanda serving an additional role as a mass grave, the ethical ramification of genocide tourism continues to complicate matters. All of these factors play a vital role in the peace and reconciliation process. While there have been many positive signs of progress and development, the manner in which the country's history is being preserved must be called into question. Memorials should provide education and an accurate history on the importance of upholding human rights without keeping the violence alive through graphic, emotionally gripping images in order to perpetuate a political agenda.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC225
Presenter(s): MUSGROVE, HANNAH	University: Lone Star College North Harris
Title: Robin: an Ethological Case Study of Animal Rehabilitation	
<p>Abstract: With the help of H.O.P.E Animal Recuse, this project provided a three-month observational analysis of animal behavior—as well as advanced ethological research of common, interventions, positive training techniques, and reinforcement tactics. These implements were used to reestablish positive human interaction with a feral submissive canine.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC310
Presenter(s): ORMAN, BEN	University: Johnson County Community College
Title: Art Nouveau & Gaudí: The Way of Nature	
<p>Abstract: Starting in the early 1890s, Art Nouveau was an international movement that integrated two of the most influential forces in the world: art and nature. While these two had been paired since the prehistoric times of Lascaux and Pech Merle, Art Nouveau's significance and effect extended far beyond any prior attempt. This revolutionary style was seen in paintings, sculpture, architecture, ceramics, and furniture around the world. As Art Nouveau spread to various countries, its definition and ideologies adapted to its surrounding culture. Although Art Nouveau had many followers and patrons, few reached the fame and distinction of Antoni Gaudí. In the mid-1800s, Gaudí came to represent Barcelona's interpretation of Art Nouveau: Modernisme. His sensational architecture with striking detail is exemplified in works such as the Templo Expiatorio de la Sagrada Familia and the Casa Batlló. Both of these masterpieces reflect what made Gaudí unique: his flawless use of nature, design highly influenced by religion, and unprecedented modernity. Not only did this pairing allow Gaudí and his style to rise to international fame, but it also elevated Art Nouveau to one of the most notable movements in art history.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC225
Presenter(s): PARISH, CODY	University: Midwestern State University
Title: I Help Write. We Help Write. Honors Students Help Write at the Writing Center	
<p>Abstract: This year the Midwestern State University (MSU) Writing Center and the Honors Program created a joint internship that provides the Writing Center with extra space and two additional unpaid undergraduate tutors, while offering the Honors Program an internship opportunity to fulfill the senior requirement and spreading its services to a wider variety of students. This pairing of programs is ideal because both the Honors Program and Writing Center serve a diverse group of students who are striving for excellence. The Writing Center provides a tutoring service for all students who would like help with any form or stage of writing. Honors students chosen for the internship are required to commit to ten hours of tutoring and one hour of practicum in the Writing Center per week. I will discuss how the MSU Honors students benefitted the Writing Center, and I will focus the presentation on the way that the internship program strengthened a previously weak connection between the Writing Center and Honors Program students and facilitated personal growth in Honors interns through comprehensive knowledge on the aspects of writing and developing relationships with graduate and undergraduate students, and professors. As Stephen North says in "The Idea of the Writing Center," a tutor's job is to produce better writers, not better writing, and in the process of assisting others with this task, we've produced better writers within ourselves.</p>	

Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC221
Presenter(s): PARKER, EMILY	University: Northeast Texas Community College
Title: Decline of Racism in Music: Jazz, Country and Modern Styles	
<p>Abstract: My continued research of racism has brought me to the conclusion, to the striking fact that racism is everywhere; whether it is in communities, countries or music and art; racism is rampant. Although this thing, racism, is a continuous pest nagging at us, my research in three different areas has shown it to be in decline in the United States. Racial slurs may always be present, but in music, an area where opinions are strong, and people are possessive, there has been a notable decline in racism. Starting with the 1920s with the Jazz era, and continuing through the rein of Elvis and up to today's current artists, we see the barriers of prejudice toppling in the social networks of music, the type of music, and in popular demand for various types of music. My presentation will show how artists of all races and genders are becoming more and more globally accepted. The tolerance exerted by worldwide listeners is allowing everyone, of every color and race to succeed in their area of passion. This also allows them to experience the feeling of being welcome in diverse cultures. My presentation will also rest on previous public presentations I have made on the decline of racism in Texas at the 2012 GPHC, and the decline of racism in three American states at the 2012 NCHC.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC310
Presenter(s): PORRAS, JESSICA	University: Texas A&M International University
Title: Evidence-Based Practice Articulation in Child Language Disorders	
<p>Abstract: Articulation and phonological disorders in children are most common when they substitute or change letters and syllables in words or phrases. Evidence based practice shows that articulation disorders, swallowing and feeding, and other language disorders and diseases can be improved with speech therapy. Speech-Language Pathologists have many ways of helping children with a variety of disabilities including Autism, Pervasive Developmental Disorder (P. D. D.), and Down Syndrome. The origins of these language disorders can be from receptive, the understanding of others, or expressive language, being able to express your emotions. Evidence based practice has shown that applications on electronic devices have shown improvements in patients with their speech impairments. Speech-Language Pathologists also use other treatments, for example, P. E. C. S. which stands for Picture Exchange Communication Systems. Evidence based practice shows that Speech-Language Pathologists use many resources to improve articulation, phonological, swallowing, feeding, and language disorders.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC225
Presenter(s): PUGH, GEORGE-THOMAS	University: Texas A&M International University
Title: Cloning and Sequencing the Vitellogenin Gene in Tilapiine Fishes	
<p>Abstract: Inefficient broodstock production continues to be a challenge for the tilapia aquaculture industry. Identifying selectable genes or molecular markers associated with increased fecundity and developmental competency will require a better understanding of oocyte development and maturation at the molecular level. Fish embryos survive solely on vitellogenin, a principle precursor for fish egg yolk, which is essential for development. In this study, degenerate primers were designed using nucleotide sequences from various teleost species to isolate and amplify genes for the vitellogenin precursor protein and the vitellogenin receptors from cDNA derived from the liver and ovaries of several Tilapiine species. DNA amplification was successful from 5 species of the family Cichlidae, suggesting that these primers are useful for other cichlid species, including tilapiines. The sequencing of these PCR products is a necessary first step in order to design species-specific primers for rtPCR and probes for in situ hybridization.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC309
Presenter(s): RAHNAMA, KIA	University: Texas Tech University
Title: Root causes of terrorism	
<p>Abstract: Tragic events of September 11, 2001 renewed studies of terrorism, its causes and proper prevention methods. Although some of the earliest studies of terrorism date back to mid 1980s, the past decade has been marked with an extensive and comprehensive academic effort from numerous fields that has truly contributed to a more heterogeneous understanding of this phenomenon. Today, terrorism literature is vast, multidisciplinary and prolific, yet very few theories have delivered a consensus. Reviewing this literature, this paper will seek to discuss three of the most prominent and widely discussed theories in the literature: education, poverty, and psychological factors as root causes of terrorism. Analysis of poverty as a causal factor would be divided into three different perspectives: individual level, state level, and global level analysis. The role of education as a cause will also be discussed with emphasis on the role of madrassas in many Middle Eastern countries. Finally, a review of psychological explanations of terrorism will be mentioned. This paper posits that education and poverty are insufficient explanations for the causes of terrorism and that psychological dispositions provide the best explanation for one's tendency to engage in a terrorist act. This paper will further propose a new interdisciplinary approach to understanding the psychological causes of terrorism that brings together the fields of political science and neuroscience.</p>	

Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC225
Presenter(s): REYES, MARTHA	University: Texas A&M International University
Title: Prevalence and Epidemiology on Parvovirus in Laredo Texas Canines	
<p>Abstract: Parvoviral Enteritis is a viral infection that destroys the crypt cells of the villous epithelium of the small intestine together with lymphocyte depletion and neutopenia, leading to severe enteritis, anorexia, vomiting, hemorrhagic diarrhea, and shock. Parvovirus affects dogs only, almost exclusively affecting puppies and unvaccinated adults. The canine population in Laredo, Texas is of great concern to veterinarians and animal rescue groups, and with this increase in canines comes the increase of parvovirus in those canines. This research collected throughout the years of 2012 to 2013 shows the epidemiology and prevalence of parvovirus tests run on several breeds of dogs, the number of parvo positive pets, and the correlation to the time of year that parvovirus was contracted.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC307
Presenter(s): ROBINSON, ANDREW	University: Lone Star College Tomball
Title: The Benefits of Debate: A Washington and Du Bois Legacy	
<p>Abstract: Debate is one of the greatest American traditions we have. Since before we were an independent nation the greatest, most courageous and most intelligent men and women in this country have waged wars with their words, their intellects and whatever fire was in their souls. There were famous debates such as, should England be allowed to tax American colonists without colonial representation in British parliament, followed shortly by whether or not Americans should fight for independence. Years later we had the debate about the abolition of slavery, which concluded in the Civil War and gave birth to the civil rights debate. The civil rights debate has raged on ever since and one of the key points has been how hard and how quick should African-Americans push at the doorway of equality. Two of the earliest central figures in the African-American civil rights debate were Booker Taliaferro Washington and William Edward Burghardt Du Bois. Both of these great men were African-American leaders in the late 1800s to early 1900s. Both wanted to see the people of their race succeed and grow from possessions, which is what they were in the slave period, to being a needed and accepted part of American society. Fortunately, Washington and Du Bois did not see eye to eye on how that would come about. This is fortunate because debate is extremely important to our growth as a culture and as individuals. This paper looks deeper into their debate as well as the importance of debate in our society.</p>	
Oral Presentation Session: 4:20-5:20	Location/WTAMU: CC223
Presenter(s): RODRIGUEZ, CAROLINA	University: Texas A&M International University
Title: Analyzing Customer Trends to Improve System Efficiency in a Forwarding Company	
<p>Abstract: Laredo is one of the fastest growing cities in the United States, the biggest port of entry between the United States and Mexico. Logistics and forwarding companies are located in this city to facilitate the movement of goods between the United States, Mexico and Canada. An analysis was made on a forwarding company to determine how the system can be improved and use its resources more effectively and efficiently. Forecasting, in addition to operations research methodologies, were used in this analysis. The system was evaluated using the information from the truck traffic operations starting from October, 2011, as well as other information obtained from warehouse facilities and design. Preliminary results show that based on the Pareto principle, the majority of the work is provided by 3 companies. In addition, it was determined that the system efficiency can be increased by making a better use of the facilities, and that seasonality is present.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC310
Presenter(s): SANDOVAL, ANNA	University: Sul Ross State University
Title: "The Absence of Honesty in the Academic Honesty Policy"	
<p>Abstract: Ever since kindergarten students are drilled with the idea that for the next twelve years cheating is unacceptable. Teachers are present in classrooms to enforce this rule and for twelve years students are held personally responsible for following this rule. But what happens when those twelve years are up? What happens once teachers are no longer present in a room, but rather appear on a computer screen? Can we have faith in the fact that our students will still uphold this rule and remain academically honest when nobody is watching? Or what about when a teacher is no longer watching twenty three students, but the class has grown to a massive lecture hall with over two hundred students enrolled in the class? Academic honesty is a value that seems to be wearing away with time. Students who choose to remain academically honest show true character values and uphold every Universities honor's degree. On the other hand students who have chosen to be academically dishonest are labeled as cheaters. This poses the question, how do we define cheating?</p>	

Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC221
Presenter(s): SANTOS, DAVID	University: Texas A&M International University
Title: Ebonics Through Hip-Hop Music	
<p>Abstract: The topic of this research paper is to explore the relationship that rap music has with Ebonics. Ebonics is usually looked down upon by society as slang language, when in reality it is a unique language. The rap genre is a strong extension of Ebonics, due to content, language, and history. First, it is explored how rap music talks about African American reality, just as the underdevelopment of Ebonics has led African Americans to use slang language. The second point made is that of identity, and how the Gullah language gives this to natives off the coast of Georgia and South Carolina. Hip hop music brings identity to rappers. Next, the comparison of how the placement of words in stereotypical contractions as well as word placement is also utilized in rap. Finally, cultural diffusion is explored. Ebonics is spoken by people outside of the American African culture, as is rap music.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC314
Presenter(s): SAVAGE, HEATHER	University: Lee College
Title: Jean Houston Baldwin Daniel	
<p>Abstract: The late Jean Houston Daniel, the wife of former Texas governor Price Daniels, was an individual who graced Texas with her charm and devotion to the preservation of the story of this state. A descendent of Sam Houston, her family's roots are intertwined in the history of Texas, and she has selflessly devoted much of her life to the preservation of Texas history. Daniel's greatest accomplishments include preserving the Texas Governor's mansion and its mementos collection, donating historic archives and artifacts to the Sam Houston Regional Library, and maintaining memberships in numerous civic and charitable organizations. Daniel co-authored two books: Executive Mansions and Capitols of America and The Texas Governor's Mansion: A History of the House and Its Occupants. In partnership with her husband, Daniel generously donated land in Liberty, Texas to the Atascosita Historical Society, where the Sam Houston Regional Library is located. Daniel was instrumental in preserving Texas history, archives, and historic artifacts; without her determination and devotion to this preservation, much of the state's historic documents and artifacts would have been lost and even forgotten. Jean Houston Daniel is a graceful light that will forever shine in the history of the Lone-Star capitol.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC308
Presenter(s): SCHUETTE, GEOFFREY	University: Sul Ross State University
Title: Statistical Analysis to Validate the Dark Sky Laws	
<p>Abstract: We will attempt to use statistical analysis to validate the Dark Sky Laws of the region around McDonald Observatory-Fort Davis, Texas. Data reduction methods are used to find the flux under the curves of the natural lines, oxygen and nitrogen, and man-made lines, sodium and mercury. Interpretations of the the results of data reduction are given and explored.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC309
Presenter(s): SELOVER, BROOKE	University: Sam Houston State University
Title: Truth or Consequences: Folkloric Structure in Cormac McCarthy's The Crossing	
<p>Abstract: Although many great novels are pure fiction, they portray a truth that cannot be found in strict history. These stories are essentially true because they often elucidate aspects of life for the reader as well as for the character. One work that does this beautifully is Cormac McCarthy's The Crossing. Story-telling and legend, two elements of folklore, play a huge role in this novel, as they directly contribute to its overarching theme and characterization of the protagonist, Billy Parham.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC308
Presenter(s): SERIO, TARA	University: Angelo State University
Title: Acadia: Explorations of Nature and Self	
<p>Abstract: NCHC Partners in the Parks Presentation -- Part I This presentation discusses how my participation in the NCHC Partners in the Parks program in Acadia National Park concluded my summer experiences with a unique approach to linking environmental interaction with varied learning opportunities. I will describe my park experience, focusing on our discussions of philosophical issues related to nature as well as the distinctive conservation and management concerns in Acadia. Additionally, I will share how this trip allowed me to encounter and engage a more creative portion of my personality and how it continues to impact my academic and personal interests and choices.</p>	

Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC306
Presenter(s): SKOPP, WESLEY	University: John Brown University
Title: Napoleon's Entering Egypt	
<p>Abstract: When the French invaded Egypt in 1798 Napoleon Bonaparte used Enlightenment Ideals of equality and freedom to argue that he was liberating the Egyptian people from the oppressive Mamluks. The Egyptian Ulama, the head of the Islamic religious elite, responded negatively to these arguments, which caused a great deal of distrust between the French military and Egyptian elites. One source of this distrust was a poorly written letter to the Egyptian public from the French high command that used Enlightenment ideas to justify the French invasion. Al-Jabarti, an Egyptian scholar of Islamic law, pointed out elements of the document that aroused the strong distrust. While Napoleon's Enlightenment ideals as expressed in the letter were not widely accepted by the Egyptian religious elite, the ideals do match up with his letter to his invading troops. In Louis Antoine Fauvelet's documentation of the French invasion we see ideals that match up with the letter to the Egyptian public. Fauvelet's documentation of the invasion provides an interesting juxtaposition to al-Jabarti's documentation of the same event. This paper argues that the original distrust expressed by al-Jabarti was a factor in the failure of the French occupation and created tensions and misunderstanding in Egyptian-French relations.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC310
Presenter(s): SMITH, ANALIESE	University: Tarrant County College Northwest Campus
Title: Homeschooling: A Diverse Form of Education	
<p>Abstract: Homeschooling is one of the most debated and controversial forms of education for children. Many people have preconceived notions of what home studies actually involve, from believing that students do and learn nothing, to thinking that they are socially inept and uninvolved in their communities. This paper takes those stereotypes and explores the actual truth behind the assumptions. It discusses many aspects of home studies, including how homeschoolers receive a varied and diverse education without being removed from society. This paper focuses on the merits of an alternative form of education, and explains how and why homeschooling is growing in popularity.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC307
Presenter(s): SUMMERLIN, RACHEL	University: Texas Tech University
Title: Copyrights Re-Evaluated: What is needed to Protect Literature in the Digital Age	
<p>Abstract: Literature, within the current copyright law revisions, has been vastly overlooked. In the Copyright Act of 1909, Congress revised the copyright laws of the time so that a initial copyright law to be placed on an already published work of literature, works that were still unpublished did not own copyrights, and that a copyright had to be renewed after 28 years. These laws needed revision according to lawyers, and in accordance to these problems, Congress created the laws we are now largely under today or Copyright Act of 1976. Congress believed the way to improve the copyright law was to establish a less formalistic as well as a less restrictive protection of copyrights, but this essentially drove creativity out of the hands of expressionists. What we need to do today, however, is modify copyright law in order to adopt more strict views in infringement of digital literature in this modern era. To achieve this, copyright law needs to take from the past 1909 copyright act and redefine it for the current situation. In this study, I will be look at case studies, and historical facts about copyright law in the United States—and how it should evolve. We need to revisit copyright law for literature to address the electronic methods now available to readers. I believe, by addressing these issues of literature copyright fraud online today, we can protect innovation, promote authorship, and ensure the continuing of written arts for years to come.</p>	
Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC309
Presenter(s): SWEET, VANESSA	University: Oral Roberts University
Title: Ashes: Questions of Redemption in The Road	
<p>Abstract: Cormac McCarthy's post-apocalyptic novel The Road questions the meaning of redemption and human purpose after the end of the world. Throughout the novel, redemption is promised and given messianic overtones, but the nature of this redemption is left ambiguous. The traditional meaning of redemption as a restoration of that which was lost or destroyed no longer holds in the post-apocalyptic environment of The Road, and must be redefined in conjunction with the irreparable damage and the ambiguous nature of God. While it is possible to read the nihilistic desire for endings as the ultimate rejection of redemption, the introduction of the father-son relationship complicates this desire for death. Redemption may be not the restoration of the old world, or the escape from the interminable suffering of the in-between, but the presence of memory, testimony to the unforgettable.</p>	

Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC307
Presenter(s): SWENSON, ERIN	University: Tulsa Community College
Title: Daisy Miller: Establishing a New American Identity during the Reconstruction Period	
Abstract: The Reconstruction Era after the American Civil War was a time of reflection and renovation for a country that had been brutally ripped in half. As the United States was struggling to repair itself, the citizens were struggling to understand the new classification of being American. Writers, like Henry James, used their work to push ideas to the public of what the new American Identity was. Within his short novel Daisy Miller: A Study, Henry James introduces new ideas of equality, especially between social classes and gender, through his observations of his American characters within the varied European setting.	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC224
Presenter(s): THURMAN, AUDRA	University: West Texas A&M University
Title: Comparison of Job Satisfaction between Juvenile and Adult Corrections Personnel.	
Abstract: A study between the Youth Center of the High Plains and the Randall County Sheriff's office was conducted in order to look at comparing levels of job satisfaction. There has been an increasing amount of research and investigation into the areas of correctional employees and the ways in which they respond to their work; especially in terms of job-related stress and overall satisfaction within correctional facilities. The current knowledge in regards to this problem is that with lower levels of satisfaction individuals will show undesirable behaviors, evident withdrawal from the job, and behavioral changes that ultimately effect the overall work place environment	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC310
Presenter(s): TRAXLER, TARA	University: Oral Roberts University
Title: Material Music: The Effects of Synthetic Film Scoring on Industry and Culture	
Abstract: This synthetic research paper explores how advancements in music technology over the past twenty years have left the film score industry reeling. Veterans of the field are forced to learn the technological trade, and film-composing hopefuls have a world of synthesizers and samples at their fingertips. The effects of these developments are all over the spectrum. On the positive side, synthesizers and digital media have opened up whole new worlds of sound architecture to modern composers. Literally whatever noise they can conceive in their minds is possible, not to mention under the budget of hiring a full orchestra and sound stage. However, technological developments are not without their negative implications; with this technology so accessible, everybody and their brother is aspiring to be a film score composer. Bums off the street with no music education to speak of and a decent computer can pick up the craft and claim they're Oscar-winning. Also, the use of digital film music in final film cuts is rising in popularity, putting concert and studio musicians out of the jobs that the computers are now performing. Scholars and composers are aiming to find a "happy medium," in which acoustic and synthetic sounds collaborate to create what we hear in the best of twenty-first century film scores.	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC308
Presenter(s): VALLEJO-GUTIERREZ, SANTIAGO	University: McLennan Community College
Title: Hydraulic Fracturing in South Texas and its Effects on Groundwater Health	
Abstract: Groundwater deposits in South Texas are the main source of drinking water for San Antonio and its surrounding counties. The reliance on the water from the Carrizo-Wilcox aquifer for consumption purposes requires a certain level of cleanliness. Recent advances in hydraulic fracturing operations have expanded the oil and gas industry in South Texas. The primary source of oil is the Cretaceous age sedimentary rock formation known as the Eagle Ford Shale. The process of hydraulic fracturing involves drilling and the injection of water with possibly hazardous additives into the subsurface to break apart the shale in order to let the oil free. The research conducted for this project focused on the health of groundwater in Atascosa County. The presence of hydraulic fracturing sites throughout this county presented the possibility of groundwater contamination through runoff or improper disposal of fracturing chemicals. The lab portion of this project tested water samples collected from locations within a few miles radius of fracturing plants for organic contaminants. Dichloromethane titration was used to prepare these samples for examination in a gas chromatograph. The results obtained showed only one instance of contamination in low amounts. A long term study that tracks groundwater composition before, during, and after hydraulic fracturing has taken place will be necessary to indicate a direct causality between groundwater health and hydraulic fracturing operations.	

Oral Presentation Session: 4:20-5:20	Location/WTAMU: CC223
Presenter(s): WADSACK, JOSIAH	University: John Brown University
Title: What is the role of Ceteris Paribus in Economics?	
<p>Abstract: Much of the modern investigation, understanding, and application of economic predictions are predicated upon the concept of ceteris paribus, where an assumption is accepted on the basis that all other things are held equal. This paper investigates the merits of ceteris paribus in economics and the reliability of economic analyses and predictions heavily reliant upon it. To explore this question, this paper offers a survey of the arguments on the subject, from early Greek economic texts on limited predictive ability in farming outcomes to notable contemporary economists' reflections on the recent economic downturn. The paper closes by discussing the implications of ceteris paribus on economic predictions and proposes a more cautionary method of interpreting and applying such prediction and analysis.</p>	
Oral Presentation Session: 1:45-3:15pm	Location/WTAMU: Legacy Hall
Presenter(s): WARREN, LATICIA	University: John Brown University
Title: What Ophelia Heard and Did: An Argument for Ophelia's Agency	
<p>Abstract: Although Shakespeare's Hamlet has Ophelia onstage during Hamlet's "To be or not to be" monologue, many stage and screen versions keep Ophelia out of hearing distance or leave her off the stage entirely. Because of these portrayals, many view this famous speech as a soliloquy for the audience's ears alone and do not consider the impact it may have had on Ophelia. In addition, some readers and viewers believe that Ophelia's death was more of an accident than a suicide. However, researching a variety of scholarly discussions of Ophelia and her death as well as of the "To be or not to be" speech reveals that these views do not align with the textual evidence. This essay engages the scholarly dialogue concerning this scene, arguing that Hamlet's famous speech is a catalyst for Ophelia's decision to commit suicide but that Ophelia also has agency in her death. In addition, this essay presents two additional scenes that explore how Ophelia may have reasoned through her decision after hearing Hamlet's speech.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC224
Presenter(s): WELLS, JENNIFER	University: Emporia State University
Title: Science and the Stars	
<p>Abstract: The purpose of this paper is to discuss the death of wonder and awe in correlation to the rise of science and technology. Over the past several years, the growing trend of personal technology has resulted in the majority of the population spending less time out of doors and more time with the latest gadgets. This phenomenon is here in related to the loss of mystery and subsequent desensitization to the natural world; and its effects upon everyday life, in addition to an individual's thought processes and definition of reality is examined.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC314
Presenter(s): WELLS, ANDREA N.	University: Northeast Texas Community College
Title: Sam Houston's Reformation: The Story of the "Conqueress of the Conqueror"	
<p>Abstract: Barnard E. Bee once stated about Texas President Sam Houston that, "in all his intercourse with life he had never met an individual more totally disqualified for domestic happiness." Sam Houston was a drunkard, a womanizer, a workaholic, and not to mention very uncompromising when it came to change. Houston had a very unruly life, running away from home and having several failed marriages. And yet this same man became a faithful husband until his dying days and a T-totaling Baptist under the sway of his young wife, Margaret Lea. This remarkable outcome of reform entails recent debates about "bad" husbands in modern society. Although there is plenty of grumbling, and fantasizing, many women today seem to think that they could never change their husband. Men have been described as the "Nazis of gender," and wives are often too consumed with their personal careers and other influences, such as caring for children and tending to the home, to embark on such extensive campaigns of reform. I argue that Margaret Lea combined two key qualities—confidence and patience. She was a Southern Baptist with strong, deeply socialized qualities. The "Conqueress of the Conqueror" was not a behaviorist, administering rewards and punishments to ensure her husband stayed on the right track, but an idealist, absolutely certain about what was best for her husband and willing to invest in modest, month-to-month improvements, and long-term success.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC227
Presenter(s): WILLIAMS, AMANDA	University: Lone Star College North Harris
Title: Son-Rise, Sunset: An Illumination of Autism	
<p>Abstract: An issue of great importance to the present generation is the increasing rate of Autism Spectrum Disorder diagnosis. This study offers an analysis of the history of Autistic and therapy treatments while considering the innovations in neurological mapping of the brain and working with the Son-Rise program provided insight to a modern day medical puzzle.</p>	

Oral Presentation Session: 4:20-5:20pm	Location/WTAMU: CC309
Presenter(s): WITCHER, BETHANY	University: Tulsa Community College
Title: The Fearsome Pen: A Discussion on the Darker Genres of Literature	
<p>Abstract: A natural attraction to darker stories is not due to a twisted sense of morals but rather an incredibly natural human condition: curiosity. Writers like Edgar Allan Poe and Stephen King are two of the creative minds known for a focus on fear. Fear is a potent literary lure that draws in its readers with taboo subject material and morbid circumstances. Succumbing to this bait, readers often find themselves uncomfortable. Despite the growing popularity of stories in this genre, audiences are not always willing to individually acknowledge that they are a part of this trend. A more thorough study of this peculiar writing style will explain what attracts so many readers to such dark writing as well as uncover what force compels them to hide this attraction.</p>	
Oral Presentation Session: 3:30-4:15pm	Location/WTAMU: CC309
Presenter(s): YOLLAND, ALLYSON	University: Lee College
Title: The Ku Klux Klan and Colonel Mayfield's Weekly	
<p>Abstract: A revitalized Ku Klux Klan became a major force in American culture in the United States in the early part of the twentieth century. Colonel Mayfield's Weekly was a pro-Klan newspaper in Houston, Texas, during the prohibition era. The paper stood behind the Klan's every move, reporting in detail the Klan's activities. The newspaper reflected and enthusiastically endorsed the position of the Klan. The influence of the Klan can be seen in the fact that major Houston businesses purchased advertisements in Colonel Mayfield's Weekly. This paper examines Colonel Mayfield's Weekly influence on the people of Houston, how it promoted the Klan's ideas, how it encouraged the morals that the Klan believed America should have, and how the paper portrayed the issues the Klan dealt with.</p>	
Oral Presentation Session: 5:40-6:50pm	Location/WTAMU: CC224
Presenter(s): YOUNG, MICHAEL	University: Tarrant County College Northwest Campus
Title: Upgrade Yourself: An Examination of the Cultural Impact of Current Technological Trends.	
<p>Abstract: "We shape our tools; and thereafter our tools shape us." This premise, borrowed from renowned media theorist Marshall McLuhan, provides the basis for this analysis of the technology's relationship to culture. This paper examines several significant developments in advertising, media, and technology: namely, data mining, predictive analytics, social networks, ubiquitous computing, RFID technology, and augmented reality. Michael Young makes the case that these trends are indicative that the essential character or "message" of the digital media is individualism. The paradox of the internet is that even while it facilitates a multiplicity of instantly accessible connections and amplifies the speed at which information is exchanged, its actual effect—for better or worse—is to fragment and isolate. The internet is in the business of re-establishing individual self-expression, singular points of view, and personal interests out from the cacophonous, amalgamate collage of broadcast media. In addition to providing evidence to support this interpretation of digital culture, Michael Young will attempt an examination of its origins, making great use of McLuhan's historical framework for electric technologies as well as several works of postmodern literature.</p>	