BrainStorm Schedule of Events

Brainstorm Presentations

Key:  A&S  – School of Arts and Sciences
      E&BS – School of Education and Behavioral Sciences
      JMSB – John Massey School of Business

Monday, April 15, 2013
1:00– 3:00
Speeches: “Speak Easy”
SU 213
Faye Mangrum and Shannon McCraw
Lambda Pi Eta Communication Honor Society
A&S
Students are selected from the Business & Professional Speaking classes to present a six to eight minute speech. The Lambda Pi Eta students will judge the speeches and certificates or awards will be given to top speakers.

3:00-3:30
FA Recital
Performance: Grand Piano: “The Skazki (Fairytales) by Nikolai Medtner”
Ekaterina Chernaya Oh
A&S

6:30-7:30
FA Recital
Performance: “SE Composers Concert”
Megan M. Johnson, Jeremiah Light, Logan Russell, & Emalea Hudgens
A&S
Original works by these four accomplished composers will be featured in this world premier.

Tuesday, April 16
12:30-1:00
R100
Lecture: “Hidden Treasures of the Library”
Sharon Morrison

2:00-2:45
R100
Lecture: “The Odd and Unusual from the History of Safety”
Richard Braley & Halet Poovey
JMSB
Like all fields of endeavor Safety has had its less successful, odd and outright wrong solutions to problems. Drs Braley and Poovey will review some of these historical if not hysterical methods. Method such as the gasp method for CPR will be presented.
Lecture: “Stone Mountain”  
Jerry Polson  
Description: The United Daughters of the Confederacy commissioned the carving of a confederate memorial on the side of Stone Mountain which is just outside of Atlanta, GA. After going through several stone carving artists (including, Gutzon Borglum, the man that became famous for carving Mt. Rushmore), the project was completed. It included images of Jefferson Davis, Stonewall Jackson, and Robert E. Lee. It is the largest bas-relief in the world.

Lecture: “Consecrated: The Making of the Film”  
Tyler Slawson  
Tyler Slawson is an award-winning Christian filmmaker. This lecture will recount the making of his latest film as well as a presentation of the film.

New Theatre Building (Playhouse Lobby)  
Performance: “New Play Table Reading (Dramapalooza)”  
Dell McLain and Theatre Students  
Theater students will read a new play by a local playwright with discussion to follow. The event will be audio recorded for use by the author in the development process.

Montgomery Auditorium  
Performance: “Student Conductors Spring Concert”  
Southeastern Concert Band with Student Conductors and Jacob Wallace  
Students from the Advanced Instrumental Conducting class present teaching and performance projects that they have worked on throughout the semester with Southeastern’s Concert Band. They will conduct works by Percy Grainger, Clare Grundman, Gustav Holst, Pierre LaPlante, Alfred Reed, and Ralph Vaughan Williams. Tickets are not required for the performance, and admission is free and open to the public.

Wednesday, April 17  
Performance: “Native Storytelling Slam”  
Deana Williams, Native American Cultures Class  
The Native American Cultures class will provide a demonstration of Native Storytelling. Participants do NOT have to know traditional stories. However, they will share a personal story. Students will have to think fast on their feet as they will not know what topic will be randomly drawn from a bowl.
2:00-2:45
R100
Lecture: “Traffic”
Ngone Lo
JMSB
This lecture will present statistics on current and potential traffic flow and what updates would look like in the Durant area and any capacity infrastructure.

3:00-3:40
R100
Lecture: “Protecting Intellectual Property from Cyber-Espionage”
Martin Bressler
JMSB
Today, spies might not be going after your military secrets. Instead, corporate spies might be attempting to steal your most valuable corporate secrets, often in the form of intellectual property. Whether the espionage attack comes from a domestic or foreign source, the resulting impact can financially cripple a company.

3:45-4:30
R100
Lecture: “Financial Statement Analysis”
Charles Pease
JMSB
Analyses from Dr. Hrncir’s Finance 4223 class will be presented.

6:00-9:00
New Theatre Building (Playhouse Lobby)
Performance: “New Play Table Reading (Dramapalooza)”
Dell McLain and Theatre Students
A&S
Theater students will read a new play by a local playwright with discussion to follow. The event will be audio recorded for use by the author in the development process. The new play is called Astrolabe. It was written by Southeastern professor Dr. Stanley Rice.

Thursday, April 18
12:30-1:30
R100
Lecture: “War and Peace in the Global Age”
William Barnes, Charlie DeWitt, David Fortune, & Jonathan Van Hicks
A&S
Often international relations appear chaotic and arbitrary to average Americans. Using four basic Political Science theories, this panel will explore the sources of conflict and paths to peace in today’s world.

2:00-2:40
R100
Performance: “To Us, It Wasn’t Code”
Kathleen Hardgrove
A&S
2:45-3:45
R100
Lecture: “Untangle Your Mind with Art”
Gleny Beach
A&S

6:00-7:00
New Theatre Building (Playhouse)
Lecture: “Nanotechnology and Safety”
Halet Poovey
JMSB
Nanotechnology is one of the fastest growing segments of industry. One of the driving forces behind this growth is the utilization of the unique properties of nanomaterial. The question is: “Do these unique properties also present a unique risk to workers health?”. An introduction to nanomaterials and what is currently known about their health effects will be presented.

7:00-8:00
New Theatre Building (Playhouse Lobby)
“Poets Coffee House”
Kathleen Hardgrove
A&S
In partnership with the Department of English, poets will be identified and invited to read (or have read) their works.

7:30 p.m.
Montgomery Auditorium
Performance: “projekt (n): new music initiative”
The Southeastern Symphonic Winds with Jacob Wallace
A&S
The Southeastern Symphonic Winds presents a program of innovative new music written for winds and percussion. The performance features two world premieres of works commissioned by Southeastern: James Syler’s *Sinfonietta* and Jonathan Newman’s *Blow It Up, Start Again*. The program will also feature Jess Turner’s *Through the Looking Glass*, Ryan George’s *Redwood*, Michael Markowski’s *City Trees*, and Steven Bryant’s *Ecstatic Waters*, a remarkably significant work that incorporates electronic sounds with live performers. Tickets are not required for the performance, and admission is free and open to the public.

Friday, April 19
2:00-2:40
SU 213
William Lloyd Fridley
A&S
William Lloyd Fridley
Foundations of Education involves the application of the humanities and the social sciences to the study of education. The goal is to understand the “big picture” of education in its larger philosophical, historical, and social contexts. My presentation is an attempt to offer an informative and compelling lecture on existentialism.
2:45-3:25
SU 213
Daniel Althoff
A&S
Gonzalo Aguirre Beltrán (1908-1996), Mexican anthropologist, introduced the scientific and scholarly communities to the study of African slavery in Mexico. His research led to further studies of Africans in Mexico, including my own study of Afro-Mexican dialect.

3:30-4:15
SU 213
Lecture: “Van Cliburn (1934-2013), International Legend”
Robert McFadden
A&S
Van Cliburn, the American pianist whose first-place award at the 1958 International Tchaikovsky Competition in Moscow made him an overnight sensation and propelled him to a phenomenally successful career, died recently at his home in Ft. Worth. He was 78.

Saturday, April 20
Noon-
Sports City Café
“All Day Jazz Fest”

Sunday, April 21
2:00 p.m.
Fine Arts Recital Hall
Performance
University Singers
A&S

Monday, April 22
3:00-3:45
R100
Lecture: “Financial Statement Analysis”
Andree Amessan
JMSB
The lecture will focus on analyses developed in Dr. Hrncir’s Finance 4223 class.

4:00-4:45
R100
Lecture: “My Tolerance Isn’t a Weakness”
Vincent DePaul Ngako
JMSB
This presentation deals with the very controversial topic of tolerance. In today’s society, it seems as if tolerance has become a way used by some individuals to thrust their beliefs upon others. This topic will illustrate that tolerance doesn’t mean acceptance but treating others with civility and respect while holding on to one’s personal beliefs.
6:30-7:00
New Theatre Building
Lecture: “Internal Control Consultation”
Vy Nguyen, Jesse Pierce, Sujan Shrestha, April Zimmerman, Jessica Willmond, & Basanta Khand
JMSB
The lecture will expound upon techniques developed in Dr. Hrncir’s Accounting 4813 class.

7:30-8:30
New Theatre Building
Performance: “The Time is Out of Joint”
* Dell McLain and Theater Students
A&S
Theatre at Southeastern’s award-winning 50-minute version of Shakespeare’s classic

Tuesday, April 23
6:15-7:00
New Theatre Building
Lecture: “Nothing Really Matters!”
William Conder
JMSB
Despite the similarity of the title to the lyrics of a well-known song performed by Queen, the purpose of this presentation is to point out that doing nothing is often the worst thing that a leader can do; its implications have far-reaching consequences. The main reason for managerial inaction is the wish not to “rock the boat”, and the popular belief is that if one neglects a small problem long enough, then it will cease to exist, or at least, will cease to be relevant. This is just simply not true.

7:30-8:30
New Theatre Building
Performance: “Haiku Project”
*Randy Prus’ Poetry students and Dell McLain’s Theater students
A&S
In partnership with the Department of English, student directors present performance interpretations based on Southeastern student poetry. This will also mark the beginning of the 24 Hour Play Festival.

7:30 p.m.
Fine Arts Recital Hall
Southeastern Chorale, “Metamorphosis”
*Brian Campos and Taylor Hunt
A&S
Wednesday, April 24

9:00 a.m. – 4 p.m. Posters will be available for viewing in the Student Union Gymnasium (See listing of poster topics following this presentation section.)

1:30-2:30
R100
Lecture: “Understanding and Engaging the Res Publica: Teaching Students to Appreciate Political Participation”
*Shannon McCraw and Glenn Melancon*
A&S
Community participation is essential for a healthy democracy. Often cynicism and mistrust discourage civic engagement. This panel will explore the historical and contemporary basis for encouraging average Americans to participate in creating public policy.

2:45-3:30
R100
Lecture: “Mother, Gladiator, Saint: The Stories of Perpetua, an Early Christian Martyr”
*Meg Cotter-Lynch*
A&S
In 203 A.D. a 22-year-old nursing mother named Vibia Perpetua was executed at Carthage for being a Christian. This lecture traces retellings of Perpetua’s story from her prison diary through the version told by Jacob of Voragine, bishop of Genoa, in his 13th century best-seller *The Golden Legend*.

3:45-4:30
R100
Lecture: “Do We, Can We, Will We Sing?: Empowering Student Research”
*Jeri Walker*
A&S
During an Elementary Music Methods class, students suggested challenging the common music-teacher idea that in today’s culture people do not know songs “everyone knows”, such as lullabies, jump rope rhymes, and folk songs. Their enthusiasm for this project provided an opportunity to model a quantitative research procedure with undergraduate students.

6:00-7:00
New Theatre Building
Lecture: “Buda Pest, Vienna, Prague: Central Europe as Seen Through the Eyes Travel-Wise and Whine-Weary Theatre Professors”
*Dell McLain*
A&S

7:30-8:30
New Theatre Building
Performance: “24 Hour Play Festival Finale”
*Dell McLain*
A&S
In partnership with the Department of English, playwrights and directors will present their new short plays they were commissioned to produce on the previous evening.
Thursday, April 25

9 a.m. – 2:00 p.m. Posters available for viewing in the Student Union Gymnasium
2:00-4:00 p.m. Poster presenters will be available to discuss their projects.
(See listing of poster topics following this presentation section.)

6:00-7:00
New Theatre Building/ Playhouse Theater
Lecture: “Hurricane Katrina: What Happened?”
Jesse O. Snowden
A&S
On the morning of August 29, 2005, Hurricane Katrina struck southeast Louisiana and triggered what would be one of the worst disasters ever to befall an American city. Water rushed into New Orleans and flooded 80 percent of the city, killing more than one thousand people, and causing the greatest property damage of any natural disaster in U. S. history. We will examine the causes of the disaster, with an emphasis on geology and engineering, and discuss the remedial actions being taken to prevent a future outcome of this type.

7:00-7:30
New Theatre Building/ Playhouse Theater
Presentation: Costume Class Project Runway Presentation
Kathleen Hardgrove
A&S
Students from THTR 3342 Costuming Class will present a fashion show of selected garments created in the course.

7:30-8:30
New Theatre Building, Playhouse Theater
Film Premiere: Dead Men Walking (film)
Dell McLain
A&S
The Media Studies/ Broadcasting program will present its new student film.

7:30-8:30
Fine Arts Recital Hall
Performance: The Southeastern Percussion Ensemble
Marc M. White, director
A&S
The SE Percussion Ensemble will perform a wide variety of literature including standard repertoire, contemporary popular tunes, and unique novelty pieces. The group utilizes drums, keyboard percussion, auxiliary percussion, electronic percussion, drum set, and “found” percussion. The ensemble will also perform music from other world cultures.
Friday, April 26
2:00-3:00
SU213
Lecture: “Woolf and Feminist Theory: Woolf’s Feminism Comes in Waves”
Lisa Coleman
A&S
This exploration of the writing of Virginia Woolf, within the context of my course on Literary Theory and Criticism, will support the claim that Woolf’s feminism is a function of both her (trans)historical context and her textual tactics which have enabled her writing to continue to contribute to the cause of feminism long after her historical life was over.

7:00-8:30
Montgomery Auditorium
Presentation: Dance Projects Presentation
Riley Coker and Theater students
A&S
College student dancers will present a recital of student choreographers’ and faculty work.

Saturday, April 27
7:00 – 9:00
Kidd-Key Auditorium, Sherman, TX
Performance: Excerpts from Carmen
Sherman Symphony and Southeastern Symphonic Choir

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**BrainStorm Posters**

**Art Posters, A&S**

**Logo Development and Style Guide!**
Ronald Fuquay

**How a brand is born!**
Katlyn Dodds

**Logo development and Style Guide!**
Skylar Harrison

**Communication Posters, A&S**

Using Icebreakers to Reduce Social Awkwardness: An Application of the Social Penetration Theory
Aubrey Tarantine

**A Content Analysis of Compliance-gaining Strategies in the Workplace**
Derek A. Kyzar

**The Effects of TV Violence on Viewers: An Application of the Cultivation Theory**
Paige Adams

**Investigating the Effects of Media on Society: An Application of the Cultural Studies Theory**
Nicholas Zamir
Investigating the Effects of Social Media Outlets (Facebook, Twitter, Instagram) on a Person’s Well Being
Evan Wakefield

Sharing Private Information in Business Settings: An Application of the Communication Privacy Management Theory
Katherine Rings

A Look at Children-free Couples: An Application of the Communication Privacy Management Theory
Austee Anderson

Perceptions of Men and Women through Masculine Language: An Application of the Muted Group Theory
Syndi Buchanan

Breast Cancer Awareness Campaign
Callie Joyce Carrell

Breast Cancer Awareness Campaign: Describing the Target Audience
Callie Joyce Carrell

A Health Care Campaign: Preventing the Spread of Disease in the Workplace
Kris Ryan

Barack Obama’s 2013 Inaugural Address (Through the Lens of Dramatism)
Troy D. Ward

Radio Show Project Legacy 2.0: Comparing Original Songs to Cover Versions
Alexander Jared Fowzer

Argument Quality: An Examination of The Washington Post’s Pulitzer Prize Winning Journalism on The Democracy Exportation Project in Yemen
Melissa Haworth-Cox and Brittani Young

Argument Quality: An Examination of the Boston Globe’s Pulitzer Prize Winning Journalism on Stem Cell Research

Critical Media Inquiry: Infographic Sex/Gender
Jordan Hedrick, Chelsea Neal, Suzanne Miller, and Brooke Lane

Melissa Haworth-Cox, Brittani Young, and Tiffany Logue

Problem-Based Learning: The Three Valley Museum as the Public Relations Classroom
Shannon McCraw

Theatre Posters, A&S

Footsteps through Fleet Street: A History of Sweeney Todd
Ashleigh Self

Women in Shakespeare
Ashleigh Self

Who Needs a Chorus?
Domanick Hubbard
**Naumachia**  
Megan Mackey

**A Kingdom Divided**  
Dustin Curry

**Stock Characters**  
Trent Pratt

**What Inspired Horror in Theatre?**  
Brianne Cothran

**To Drag or Not to Drag**  
Taylor Donaldson

**Japanese Kabuki Make-up**  
Domanick Hubbard

**To Us, It Wasn’t Code**  
Kathleen Hardgrove

**Eugene O’Neal Playwright, Wartime, and the Family**  
Fall Introduction to Theatre Class Poster #1 (McLain)

**Eugene O’Neal Playwright, Wartime, and the Family**  
Fall Introduction to Theatre Class Poster #2 (McLain)

**Eugene O’Neal Playwright, Wartime, and the Family**  
Fall Introduction to Theatre Class Poster #3 (McLain)

**From the Stage to the Street: Parallel Between Sweeney Todd and Jack the Ripper**  
Mindamora Rocha

**Arthur Miller**  
Kevin Anastasio, Joel Dameron, Patrick Southerland, Rebecca Ford

**All My Sons**  
Landry Miller, Cortney Baker, Sheridan Hill, Bethany Wallace

**History of “All My Sons”**  
Brittany Lopez, Jessica Savage, Ezrah Brull, Madelyn Buck

**English, Humanities, and Languages Posters, A&S**

**Writing and Visual Media, English 4403, Spring 2013**  
Virginia Parrish  
**Student Writers:** Tara Andrews, Stephanie Baze, Zack Childers, Paul (Trey) Davis, Patricia Dewbre, Bethany Hall, Jameson Joines, James Keeton, Steeve Nze, Patrick Roberts, Tabatha Trammell, and Courtney Veale.

The focus of English 4403 involved the basic craft principles for visual media (specifically film): character, need/desire, plot, action, conflict, dialogue, setting, pacing, theme, etc. Through analysis of craft and the practice of writing, students explored choices and strategies in writing for visual media in general and film in particular. Students will culminate their studies with a feature-length screenplay or with two short-subject screenplays. Selected scenes will be presented in the Final Exam Showcase.
Impressions of War: A Study of Literature, Photography, and Film, English 4983, Spring 2013
Virginia Parrish  Students: Pamela Barnett, Dewey Briscoe, Rachel Brown, Kristina Bruce, Spencer Cooke, Paul (Trey) Davis, Patrick Earthman, Bryant Lyles, and Anthony Reynolds.
English 4983 developed students’ awareness of how the arts (specifically literature, photography and film) attempt to express the inexpressible; that is, how the arts attempt to articulate and to visualize impressions of war. Students read beyond the assigned works, examined the contexts of wars with the contexts of the works, engaged in thoughtful discussion, and applied the principles of research, analysis, reflection, and craft/literary terminology to produce essays of publishable quality and to present and submit a personal interest project.

Nonfiction Writing, English 4203, Fall 2012
Virginia Parrish  Student Writers: Patricia Dewbre, Jamison Joines, James Keeton, Twahna Kemp, Mika Knight, Alex Braeden Lehr, Kendal Newton, Steeve Nez, Patrick Roberts, Tiffany Sallee, Tyler Swanson, and Stephanie Stovall.
In English 4203, student writers read, studied, and discussed the wide-ranging genre called nonfiction. They participated in writing blogs involving observation, place, and freestyle as well as writing short nonfiction essays concerning memory, person, and event. The writers then stretched themselves into the writing of lyric essays as well as researching and generating Semester Projects, long essays complete with the display of artifacts. Students read excerpts of their nonfiction and displayed their portfolios and Projects at the Final Exam Showcase titled “A Sense of Place.”

Performance Enhancing Drugs: Unfair and Unhealthy
Ross Sandmann
Athletes have been doing everything within their power to gain a competitive edge on their opponents since the days of ancient Rome. Today, performance-enhancing drugs have made professional sports unethical and unhealthy. Each sports organization must effectively eliminate their use.

Legalized Marijuana
Amber Kennedy and Tascee Wahoske
Colorado passed a landmark law last year, when it made using marijuana for recreational purposes legal, using taxes from the substance to fund education in the state. The rest of the country should allow this natural, safe substance to be used for medicinal and recreational purposes.

Whaling: Greed Leads to Unnecessary Suffering
Michelle Mullins
Modern-day whale-hunting practices are inhumane and have serious effects on our environment. If more people are made aware of the harm caused by this business, perhaps this industry can be properly regulated.

Feminine Face-Off: Women Lean in, or Employers, Loosen Up?
Kim Mauck
Before Facebook COO Sheryl Sandberg’s book Lean In was even released, it launched what the media have termed “The Mommy Wars.” Contemporary research on the reality of women and mothers in the workplace will be presented, in an effort to provoke reflection among students on how they will balance work and family.

Accounting/Finance Posters, JMSB

Internal Control for Durant Main Street
Tia Chappell

Internal Control
Nick Wann, Barry Tally, Demarae Kirkes, Adrian Johnson, Lance Elliott, Turner Ball
Family Influences in the Consumer Decision Buying Process
Lawrence Silver
We, as consumers, go through a process when choosing a purchase a product or service. This process includes everything from need recognition, to purchase, to disposal. This doesn’t happen in a vacuum however. It is influenced by friends, family, culture, attitudes and beliefs. This poster demonstrates the process for a student purchasing her first car and the influence of her family on that decision.

Music Posters, A&S

Southeastern Jazz Fest
Tristan Eggener, Victoria Cook, James Carter

Aaron Copland Emblems: A Repertoire Study
Crista McAlester, Helen Moore

Paul Hindemith’s Symphony in B-Flat: A Repertoire Study
Aaron Skinner, Crystal Bomba

David Maslanka’s A Child’s Garden of Dreams: A Repertoire Study
Patrick Cox, Cale Albritton, Breanna Strouse

Celtic Music from Ancient Times to Modern Day
Megan M. Johnson

French Grand Opera
Aaron Williams

Pioneering Atonality!
Amber Kress

Do We, Can We, Will We Sing?
Jeri Walker, Dalton Boyer, Sarah Carr and Taylor Walker
During an Elementary Music Methods class, students suggested challenging the common music-teacher idea that in today’s culture people do not know songs “everyone knows”, such as lullabies, jump rope rhymes, and folk songs. Their enthusiasm for this project provided an opportunity to model a quantitative research procedure with undergraduate students.

Laryngeal Models: Voices Under Construction (Vocal Pedagogy Course – MUS 3362)
Jeremy Blackwood
Students in MUS 3362 (Vocal Pedagogy) constructed laryngeal models as part of a class project during course lectures on Vocal Anatomy and Phonation. This presentation shows step-by-step construction of the models made from a bottle cap, Crayola Model Magic, paper clips, and toothpicks.

Discovering Vibrato (Cynthia Estrada and Justin Harp)
This project examines the use of vibrato in the operatic voice. Various characteristics of vibrato will be explored in order to see how it affects intonation, vocal color, and performance practice.

Vocal Registration: The Female Voice (Brenna Dougherty and Victoria Cook)
Vocal pedagogues have a difference of opinion concerning the number of registers in the female voice. This poster presentation reflects information compiled to compare and contrast many of the pedagogical viewpoints.
Posture and Breathing in Classical Singing (Ryan Lane)
Breath is the power source of the voice. The coordination of breath in singing can be acute and sensitive. This project explores the relationship between breathing and body posture.

The Fach System (Kaela Ganz and Taylor Hunt)
The German Fach System was designed as a way to classify voices for opera houses in Germany. This idea was adopted throughout the world as a means to make certain that singers were singing operatic roles appropriate to their voice type. This project will define each vocal classification and provide listening examples.

Voice Science in the Classroom (Brian Campos)
This project explores various options on how voice science (pedagogy) may be incorporated into the vocal classroom as a means to promote healthy singing in the young voice.

Falsetto: More than Just a Fluke (Kevin Anastasio)
This project explores falsetto of the male voice and how the training this register may affect the overall registration of the voice.

Occupational Safety and Health Posters, JMSB

Ear Bud Head Phone Auditory Non Occupational Noise Assessment
Chris Bradshaw, Katie Berry

Effects of Perceived Fatigue Levels on Exam Scores
Cam Williams

Health, Physical Education, and Recreation Posters, E&BS

Physical Education Efficacy Beliefs
Kay Daigle

Education and Instructional Leadership Posters, E&SB

The Joy of Writing Prompts
Meribeth Nottingham
This poster will focus on an “out of the box” writing experience which started out in a cemetery and prompted the students to write their own historical journal. This type of prompt is fun, thought provoking, innovative, and allows for imaginative responses without strict guidelines.

Brigance Family Brings the National Standard Home
Susan Morrison

The Hollywood Effect: Mental Health Professional Identity
Ed Mauzey, Carletta Daniels, David Harbin
Hollywood is fascinated by unethical practices of therapists. Common, pervasive themes in the media focus on unethical therapist boundaries, confidentiality breaches, and the abuse of power. This poster session invites you to compare Hollywood’s depictions of therapist unethical conduct with the statistics about therapist behavior by Oklahoma Licensed Professional Counselors.

Biological Sciences Posters, A&S

Southeastern Green Club
Shelby Fraser, Sonya Ross, Stanley Rice
Effects of Lycopene in Watermelon Extracts on Tissue Culture Cells
Cori Brannock, Teresa Golden
Lycopene is an antioxidant produced in plants. It is recognizable as the red color in fruits and vegetables like tomatoes and watermelon. In experiments we applied watermelon extracts to cancer or normal human cells. Cells were stressed with ultraviolet light (UV) and tested for survival rate and protein signaling changes.

Examining the Differences in Concentration of Antibacterial Agents in the Stem and Root Tissues of the Seaside Alder (alnus maritime)
Christopher Franklin, Stanley Rice

Smoke Enhances Germination of Phacelia Strictiflora Seeds
Sonya Ross, Stanley Rice

Chemistry, Computer and Physical Sciences Posters, E&SB

Fair Bandwidth Allocation in Multimedia’s Multitask
Lie Qian, Sky Pettett
Multicast is an efficient mechanism for delivering data to multiple receivers. Layered multicast schemes enable efficient distribution of real-time multimedia traffic over heterogeneous networks like the Internet. To achieve fair bandwidth allocation in layered multicast, our scalable distributed max-min fair bandwidth allocation algorithm has $O(1)$ storage complexity in core routers.

Southeastern American Chemical Society Student Member Chapter: Chapter Activities and Green Chemistry Information
Cord Carter, James Sharp, and Nancy Paiva
The chapter will present a poster summarizing their recent projects aimed at improving chemistry education, community service, and service to the university. A sample of their efforts towards initiating recycling in the Science Building and some Green Chemistry activities will also be presented.

Investigation of the Potential for Biofuels and Other Uses for Duckweed in Oklahoma
Nancy Paiva, Steve McKim, Abraham Blackburn, Cord Carter, Santosh Khadka and Urmila KC.
Duckweed is a tiny floating aquatic plant native to Oklahoma ponds, doubling its biomass every 2-6 days while removing excess nutrients from water and CO$_2$ from air. The overall goals were to investigate the potential of duckweed as a biomass source for conversion to liquid biofuels, its utility for water purification and its potential as animal feed.

Development of a Hybrid Format Upper-Level Chemistry Course
Tim Smith
Alternative delivery methods to the traditional face-to-face college lecture have become a fixture in higher education. A hybrid delivery format course was developed and piloted for quantitative analysis (Chemical Analysis) at SE in the Fall 2012. Overall student performance will be evaluated. Student access times and student survey will be discussed.