
SCHOLARS DAY

2019

PROGRAM OF EVENTS

SCHOLARS DAY

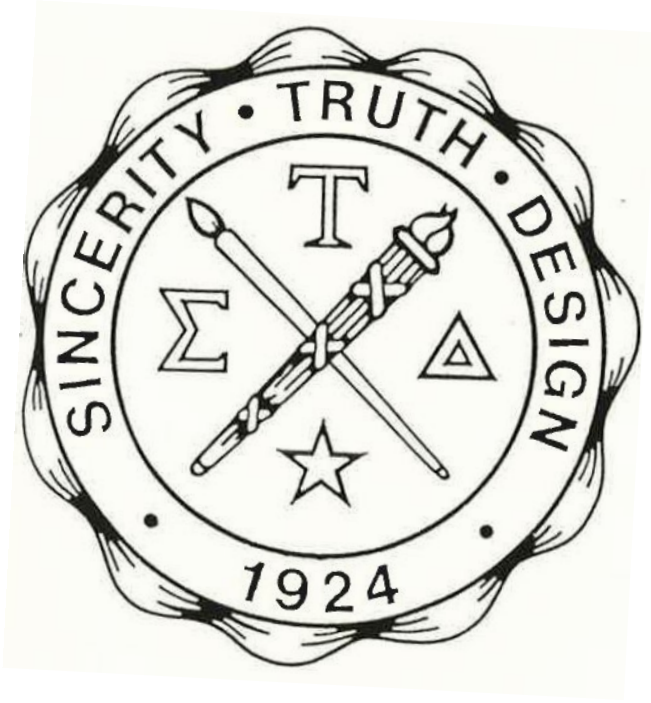
April 24, 2019



PROGRAM OF EVENTS

THE CARL GOODSON HONORS PROGRAM
WELCOMES YOU TO SCHOLARS DAY

THANK YOU FOR SUPPORTING THE HARD WORK
OF OUACHITA'S SCHOLARS



Sigma Tau Delta Presents

SCOPE

Ouachita's Literary Magazine

Pick up a copy for \$10.00 in
Walker Conference Center or Evans Student Center

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Alpha Chi Inductions

Come to the purple tent on the lawn in the middle of campus to celebrate the initiation of our students into one of the nation's top honor societies for all academic disciplines. Alpha Chi inducts juniors and seniors whose GPAs rank in the top ten percent of their respective classes.

The entire campus community and Scholars Day guests are welcome to this brief ceremony. In the event of inclement weather, we will meet in Young Auditorium.

1:00-1:30

Poster Presentations

Group A

Walker Conference Center B

1:45-3:00

1. **Bo Sutton**
White Oak Bayou, Summary of Water Quality,
Maumelle, Arkansas
2. **Abigail Fontenot**
Sensory Evaluation of Muffins Using Flour
Substitutes
3. **Travis Hankins**
Synthesis of Novel Water-Soluble Porphyrin
Derivative for use as a Potential Phototherapeutic
Cancer Treatment
4. **Kayla Henry**
Opinions of Faculty and Students on Foreign
Language
5. **Sheldon McCown**
Evaluating the Effect of Mutant EGFR on GPIT
Subunit Expression in Glioblastoma Multiforme
6. **Jordan Philson**
Sensory Evaluation of Lemon Bars Prepared with Fat
Substitutes

7. **Abigail Saunders**
Momma in the Kitchen and Daddy at Work: A Study of Parental Roles Portrayed in Children’s Picture Books
8. **Callie Tosh**
“Tightrope” Balance Training vs. Multiplanar Hop with Stabilization Balance Training: Testing the Results of Two Different Balance Training Programs
9. **Madison Morrison**
Effects of Gravity and Varying Wavelengths of Light on Phototaxis in *Dictyostelium discoideum*
10. **Jonathan Rankin**
The Effects of Light Intensity on *Arthrospira platensis*
11. **Kaycee Patrick**
Assessment of Nutrition Status of Adults Using Nutrition Focused Physical Examination
12. **Anna Claire Goodroe, Kaycee Patrick**
Effects of Nutrition and Physical Activity Intervention in Improving Children’s BMI-for-age Percentiles
13. **Keleigh Shands**
Durkheim’s Anomie Theory on Civic Participation
14. **Savannah Hart, Hannah Weeks, Allie Freeman**
The Relationship Between Motion Sickness and Poor Balance Scores

15. **Sam Eddington**
Examining the Biological Significance of Hepsin
Expression in the Molecular Pathogenesis of
Neuroendocrine Prostate Cancer
16. **Rachel Lock**
Sensory Evaluation of Pumpkin Bread Prepared with
Sucralose
17. **Lindsey Crowder, Lila Buchanan, Kelcie
Roberson**
Ring by Spring and Relationship Satisfaction Study
18. **Cameron Brownlee**
Characterizing GPI Anchored Proteins as Potential
Biomarkers and Targets for Therapeutics in
Glioblastoma
19. **Justin McGee**
Exosome-Induced Neuronal Differentiation

Group B
Walker Conference Center B
3:15-4:30

- 1. Sarah Vickers**
Antibiotic Production by Soil Bacteria Against Antibiotic Resistant Pathogens
- 2. Dominique Smith, Scarlett Castleberry, Tray Armstrong**
Person Perception Depending on Tattoos and Differences in Voice Pitch
- 3. Anna Claire Goodroe**
Sensory Evaluation of Cookies Prepared with Stevia Sugar Substitute to Determine Effects on Flavor Quality
- 4. Emily Mahan**
Exosomes: A Study into Cellular Communication Through Differentiation
- 5. Harrison Ballard**
Effects of Growth Hormone Therapy in Pediatric Patients with Growth Hormone Deficiency and Chiari I Malformation: A Retrospective Study
- 6. Olivia Wylie**
Sensory Evaluation of Teacakes Prepared with Various Fat Substitutes

7. **Malcolm Seay**
Bis-phenol A (BPA) in Animal Feeders and Waterers
8. **Hollyanne Ritchie, Madison Shankle**
Effect of Emotion on Attention Span
9. **JJ Askins**
Can Sound Emitted from a Watermelon Determine Sweetness?
10. **Tessa Watson, Brianna Hill, Sandy Swanson**
The Effects of Others on Self-Confidence in Women
11. **Lindsey DeSoto**
Antibiotic Susceptibility of *Staphylococcus aureus*
12. **Marina Lorenzo**
Sensory Evaluation of Flan Prepared with Various Milk Alternatives
13. **Madison Rawls, Carli Copell**
The Effects of Music on Ego Depletion
14. **Catie Shirley**
Developing a New Water-Soluble Porphyrin Potential Photodynamic Cancer Therapy Agent
15. **Hannah Primm**
Sensory Evaluation of Brownies with Egg Substitutes

- 16. Hannah Neago**
Sensory Evaluation of Chocolate Cookies Prepared with Fat Substitutes to Determine the Effects on Flavor
- 17. Mallory Tabler**
Measuring the Effects of Natural Antibiotics on *Candida albicans*
- 18. Logan Clay, Brittney Hubbard, Taylor Lymburner**
Studying Authority and Social Desirability Response Bias
- 19. Hannah Brandon, Emory Gregory**
Designing a Passive Tracking Solar Panel System with Shape Memory Alloys and Solar Oven Technology to Power a Campus Charging Station
- 20. Hannah Brandon, Joey Dean, Sykes Martin, Kelsey O'Brien, Madison Wilson**
Examining the Expression of Programmed Cell Death Ligand-1 in EGFRvIII- Positive Glioblastoma

McBeth Recital Hall

Isabella Wood, Moderator

2:00 Program

Sonatine Maurice Ravel

II. *Mouvement de Menuet*

Anna Weyenberg, Piano

Samson et Dalila Camille Saint-Saëns

Mon coeur s'ouvre à ta voix

Hannah Anderson, Mezzo Soprano

Susan Monroe, Piano

Two plus One Ivan Trevino

Madison Rawls and Johnathan Miles, Marimba

Lyric Pieces, Op.43, No.6, "To Spring" Edvard Grieg

Melissa Lee, Piano

Un ballo in maschera Giuseppe Verdi

Saper vorreste

Bonnie Gentry, Soprano

Phyllis Walker, Piano

Excursions, Op.20, No.3 Samuel Barber

Isabel Dodds, Piano

Edges B. Pasek & J. Paul

Along the Way

Scotty Scott, Baritone
Kristen La Madrid, Piano

Two Impressions Alexander von Kreisler

I. Andante

II. Allegro

Morgan Taylor, Saxophone
Susan Monroe, Piano

Piano Blues No.1 Aaron Copland

Tyler Sanders, Piano

Songs for a New World Jason R. Brown

Just One Step

Michaela Finley, Mezzo Soprano
Phyllis Walker, Piano

3:15 Hannah Saunders – Thesis Presentation

Heirs to Those Before Us

Bruce Jonston, guitar

Mary Chung, piano

Riley Carson, bass

Richie Blosch, drum set

3:45 Amy Lytle – Thesis Presentation

A Musical Exploration of ‘Yes, And...’: History
and Applications of Free Musical Improvisation for
College Students

Evening Performance

8:00 pm

Evans Student Center Stage

Pursuit: EP Release Concert

This will be a concert celebrating the release of student created EP (short album) by showcasing songs from the EP and explaining the process of writing/recording.

Libby Villegas

Writer, and Performer

Holden Royals

Sound Engineer and Producer

Band:

Beaux Schmidt

Electric guitar

Justin McKinney

Drums

Logan Moore

Keys

Cameron Conner

Background vocals

Mallory Cain

Background vocals

Theatre Arts Showcase

Verser Theatre

Stephanie Murry, Moderator

4:00

Performance from the Musical Theatre Intensive Competition at the Kennedy Center American College Theatre Festival (KCACTF) Region VI.

Hannah Hill (Region VI MTI Finalist)

Superboy and the Invisible Girl from **Next to Normal** by Brian Yorkey and Tom Kitt

Life of the Party from **The Wild Party** by Andrew Lippa

Performance from the Irene Ryan Acting Competition at the Kennedy Center American College Theatre Festival (KCACTF) Region VI

Emily Johnson (Nominee) and Dylan Blackwood

I Love the Way from **Something Rotten** by W. Kirkpatrick & K. Kirkpatrick

Two Rooms by Lee Blessing

Actually by Anna Zeigler

4:30 Hannah Anderson

Designing Memories: Costume design and fabrication for *The Things That Bind Us*

Art Exhibit

Rosemary Gossett Adams Gallery, Moses-Provine Hall

Alaina Hiryak Senior Exhibit, "Perspective" (1st floor)

Tyson Hume & Christian Lockard Senior Exhibit, "Life Lines" (2nd floor)

Lobby of Verser Theater

Karis Caddell Senior Exhibit, "In my shoes"

**2019 Juried Student Exhibit
Hammons Gallery, Mabee Fine Arts
4:00 pm reception**

Juried by alumna Greta James

Maddie Bayer

Hiding

Karis Cadell

Spill the Tea

Joy Estes

Untitled | Fly Over the Plains

Hannah Gallagher

Focus

Emma Gregory

Forever Friends

Nicolas Herrington

Cutlery | Decomposition | La Mort | Persephone
Waits

Carrie Hill

Dinner

Brooke Horton

What Shapes Us

Lesley Howard

TRUTH

Phoebe Huff

Untitled

Bethany Lagen

Hey Good Lookin' | Reflect

Abby Leal

Gouache Study 1 | Gouache Study 2

Sidney Kelley

I Heart Earth

Katie Kemp

Fragmented Baby

Lucas McCann

Petal Pink

Thomas Parsons

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Joshua Salmon

Lord of the Rings Book Cover Redesign

Grace Talley

Tiger Spirit

Justin Trostle

The Streets of Antigua (4)

Faith Twyford

Gratitude

Jenna Whitlow

“Say Aaah!” | The Rosebush | About 6 People
Listening

Honors Theses

Walker Conference Center A

Dane Jester, Moderator

- 1:30 Hannah Brandon**
Effectiveness and Mechanism of Action of
Modified Porphyrins for Photodynamic Therapy of
Triple Negative Breast Cancer Cells
- 2:00 Logan Clay**
Determining Toxicity of Bacterially-Produced
Antibiotics
- 2:30 Taylor Lymburner**
Killing Breast Cancer One Porphyrin at a Time
- 3:00 Dillon Wester and Keeley Johnson**
Application of Shape Memory Alloys
- 3:30 Kailee Jones**
Antibiotic Responsiveness in Mycobacterium
smegmatis

Walker Conference Center C

Jordan Gills, Moderator

- 1:30 Kaitlyn Thomason**
Determination of Bisphenol A (BPA) in Infant Oral Hygiene Devices Using Fluorescence Spectrophotometry
- 2:00 Mallory Mayfield**
Determination of BPA in Infant Oral Hygiene Products using Fluorescence Spectrophotometry
- 2:30 Jessica Cook-Snelgrove**
Determining the Presence of Bisphenol-A in Vaping Mouthpieces
- 3:00 Jake Edmondson**
The Communicative and Survival Effects of Exosomes in Microglia Cancer
- 3:30 Sarah Cowell**
Effects of Diagnostic Labels on College Students' Perceptions of Children with Autism Spectrum Disorder
- 4:00 Duel Cunningham**
How to Lose Spectacularly at the Cracker Barrel Peg Game

Young Auditorium
Gracie Jones, Moderator

- 2:00 Julie Williams**
Modern American Federalism: Defending a Dualist
Perspective on State-Federal Government Relations
- 3:00 Emily Manus**
Lions, and Dragons, and Wolves (Oh my): a Study
on the Television Series Game of Thrones
- 3:30 John Thomas Ryan**
A Historiographical Analysis of Athenian
Democracy
- 4:00 Bethany Lenards**
The Evolution of Military Tactics
- 4:30 Mattie Couch**
Early Childhood Trauma and the Necessity for
Trauma-Sensitive Schooling

Hickingbotham 200
Christian Hickingbotham, Moderator

- 2:00 Noah Bowman**
Delineating the Role of Hepsin in NEPC
- 2:30 Austin Sowerbutts**
On the Sustainability of Social Security: Have the Faroe Islands Found the Solution?
- 3:00 Evan Nelson**
A Statistical Analysis of the Ouachita Baptist University Men's Baseball Team
- 3:30 Cole Jester**
College Attendance and Diametric Political Polarization
- 4:00 Abigail Richett**
No Returns: Special Education in Sierra Leone
- 4:30 Mary Grace Hill**
Computer Science in the Elementary Classroom: The Basics (Bring a laptop if you can)

Berry Bible Building 126

Erin McNully, Moderator

- 1:30** **Brittany Parker**
“Once The Ashes Settled”
- 2:00** **Lauren Terry**
Shame: It’s Place in Life and American Theatre
- 2:30** **Andrew Crook**
Stories from Elsewhere: A Novella
- 3:00** **Colton Sims**
Does God Change His Mind? An Old Testament View
- 3:30** **Laura Ward**
First Words: A Dramatic Experiment
- 4:00** **Carrie Hill**
Crafting Comics: My Journey Through the Creative Process
- 4:30** **Megan Bayer**
The Trashy Americans

Presentations

McClellan Hall 203

Savanah Edwards, Moderator

1:30 Emma Gregory

Branded

2:00 Mandy Berry

Beloved Community

2:30 Grace Talley

Sophomore Portfolio

3:00 Tehya Hinkson

Chak-Waira: The One Who Cries

3:30 Spencer Worth

2018 OBU Mid-Term Election Survey

McClellan Hall 205
Rylee Roberts, Moderator

- 1:30 Kelsey O'Brien**
A Meta-Analysis on the Relationship between
Problematic Social Media Usage and the Dark
Tetrad Traits
- 2:00 John Clay**
Creativity and Latent Inhibition
- 2:30 Lesley Howard**
Art Therapy and Anxiety: Is Treatment Effective?
- 3:00 Nathan Smith**
Reading and Empathy
- 3:30 Kyle Burrow**
Medieval Minecraft: An Illustration of Castle
Evolution and Mechanics
- 4:00 Cole Alexander**
The Effects of Gun Laws

McClellan Hall 206
João Rodrigues, Moderator

- 1:30 Megan Harris**
Adoption Pleases God, But Could We Be Doing Better?
- 2:30 Jessica Williamson**
Boosting Social Media One Week at a Time
- 3:00 Bailey Swanson**
"Lucky" Charms
- 3:30 Jonah Mears, Sara Patterson, Ben Scarbrough**
Machu Picchu
- 4:00 Caity Hatchett**
The Architecture and Sacredness of St. Kinga's Chapel
- 4:30 Hannah Herrington**
It Is Not About You

McClellan Hall 207
Gabby Davis, Moderator

1:30 Andrew Crook

Movie Magic and Mathematics

2:00 Travis Beall

Shifting the Odds in Blackjack

2:30 Kayla Haberman

Carbon Nano-Onions As An Extracellular Growth Matrix for Stimulating Neuronal Regeneration

3:00 Chelsey Vermillion

Antibiotic Effectiveness in *K. pneumoniae*: A Model for Antibiotic Resistant Bacteria

3:30 Alexander Podguzov

Where, How and How Much: Novel Porphyrins for Photodynamic Therapy of Triple Negative Breast Cancer

4:00 Dillon Luterek

This is What is Growing on your Kale

Group Presentations

McClellan Hall 100

Hannah Perkins, Moderator

1:30 2019 Enactus Presentation Team

Mallory Tabler, Colton Eldridge, Esther Horton,
Michaelyn Ferrell, David Lundstrum, Abigail
Brizuela, Austin Connolly, Selby Tucker, Estelle
Zhang, and Drew Holland

2:00 Art, Age, and Apartheid: Alpha Chi Presentation

Jessica Cook-Snelgrove, Tucker Douglass, Wesley
Oliver, Lesley Howard, and Lauren Lovelady

2:15 Ouachita at Sundance Session 1: Reflection Symposium

Rebekah Biles, Samantha Dixon, Carrie Hill, Geoff
Hartley, Grace Howell, Ryan Motl, Hannah Perkins,
Susanna Schleiff, Claire Seale, and Jacob Sorrow

2:45 Ouachita at Sundance Session 2: American Animals Film Analysis

Same presenters as above

3:15 Eddie and Phyllis Ary Student Investment Fund

Chandler Ferrell, Lauren Lovelady, Shannon
Stribling, Stormi Leonard, and Colton Eldridge

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The Faculty Honors Council

The Alpha Tau Honors Society
Leadership and Volunteers

