
SCHOLARS DAY

2014

PROGRAM OF EVENTS

*Join the Carl Goodson Honors Program in
celebrating 50 years of academic excellence*



**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 in the Walker Conference 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.

1:00-1:30

Poster Presentations

Group A: 1:45-3:00

Riley Hickingbotham Library

1. **Gretchen Gosser** Gratitude: A Precursor for Pro-Social Behavior
2. **Alex Trevino** Germination Responses of Arabidopsis Thaliana in Low Pressure Environments
3. **Devin Ball and Rickey Brown** NFL Combine Test Comparison. Division 2 and Division 1
4. **Rickey Brown and Devin Ball** Comparing NFL Combine Football Players to Division 2 Football Players On 225 Bench Reps
5. **Austin Ingram** Improving the Health of Your Deer Herd Through the Use of Quality Deer Management
6. **Brandon Sanders and Tracey Mardis** That's so Greek: Examining Natural Stereotypes in Social Clubs
7. **Katherine West and Holli Middlebrook** The Effect of Males' Relationship Status and His Perceived Attraction
8. **Emily Anderson** The Effect of Pride and Shame Postures on Emotion
9. **Katelyn Cribb and Parrish Reed** Effects of Caffeine on Endurance Athletes
10. **Katie King, Logan Bond, Abby Engelkes, Emily Harris, Drake Puryear, and Alyssa Stubblefield** Freshmen Find Phages!
11. **Jessica Ashcraft, Jace Bradshaw, Will Hanna, Brett James, Julie Marcks, Mitchell Richards, Whitney Willis** Genomic Analysis of Burger, a Novel Mycobacteriophage
12. **Weston Smith** The Prevalence of GIRD
13. **Mason Wadley and John Simmers** Use of Fish as Water Quality Indicator in Three Central Arkansas Streams
14. **Austen Morgan, Austin Kennedy, and Etauj Allen** Running Form and Performance
15. **Brianne Baley and Tyler Files** Sarcophageous Insect Association and Succession on Pig Carrion During the Summer in Central Arkansas

16. **Sara Cat Williams** EMDR Increased Recall for Emotionally Charged Stimuli
17. **Kelsey Brum** Bacteriophage Classification by Restriction Fragment Sequencing
18. **Stoni Butler and Ben Lange-Smith** Are Movies Making Us Fat? An Analysis of Distraction's Effects on Eating Behaviors
19. **Emily Hays** Sugar Substitutions in Ice Cream
20. **Mary Rachel Wolf and Leith Hobbs** The Role of Red, Green, and Blue Light in Combinatorial Treatments and the Effect of Clinostat Treatment on Arabidopsis Development
21. **Robyn Getsee and Kaylee Parrott** Music's Impact on Memory
22. **Whitney Turk** Chocolate Chip Cookies Made with Sugar Substitutes
23. **Cory Matlock** Sensory Evaluation of Strawberry Bread Prepared With Sugar Substitutes
24. **Rachel Gilmer** Fermat's Last Theorem
25. **Hannah Nolan** A Comparison of the Pre- and Post-Assessments of Height, Weight, and Body Mass Index of Children Participating in an Eight Week Nutrition/Physical Activity Program
26. **Emily Hastings** Sensory Evaluation of Chocolate Sheet Cake Made with Avocado Instead of Butter
27. **Alayna Rutledge and Cheyenne Mitchell** Ring By Spring: Examining Desire for Marriage at Religious and Secular Universities
28. **Hannah Nolan** Evaluation of Sugar Substitutes in Sour Cream Cake
29. **Katy Alexander** Death Penalty Opinions
30. **Trinity Dial** Photodynamic Therapy of Modified Porphyrins
31. **Matthew Ehasz** Home Protection in Your Household: Fight or Flight
32. **Sterling Bailey** A New Day: The Growing Trend of Performance Enhancing Drugs Use in Athletics
33. **Crista Riggs** LPA Stimulates Ser/Thr-phosphorylation of Argonaute-2 in Hypoxia-stressed Ovarian Cancer Cells
34. **Tim Horton** Inhibiting Recognition of the B-cell Receptor by the Tyrosine Kinase Syk

Poster Presentations

Group B: 3:15-4:30

Riley Hickingbotham Library

1. **Taylor Black** Reaction to Marital Conflict Among People from Broken, Remarried, and Never Divorced Homes
2. **Dallas Smith** The Effects of Static and Dynamic Warm-ups on Lower Body Explosiveness in Collegiate Wrestlers
3. **Eathen Ramsey and Jason Pullano** Project Marathon
4. **Sarah Liz Carter** What Are the Odds?
5. **William Wooten** Assessing the Impact of Zolof to the Environment: Bioassays Using Selenastrum capricornutum and Daphnia magna
6. **Abigail Baze and Teodor Anghel** Motivation and Athletic Performance Under the Influence of Music and Reward
7. **John Butler and Kirby Von Edwins** Comparative Genomics Approach to Link Plant and Animal Oxidative Stress Signaling Pathways
8. **Chloe Huff and Caroline Nimocks** Racial Stereotyping in Marketing
9. **Kate Collins and Dawson Pritchard** The Effects of Dynamic Versus Static Stretching on Flexibility in Female College Students
10. **Katie King, Logan Bond, Abby Engelkes, Emily Harris, Drake Puryear, and Alyssa Stubblefield** Freshmen Find Phages!
11. **Jessica Ashcraft, Jace Bradshaw, Will Hanna, Brett James, Julie Marcks, Mitchell Richards, Whitney Willis** Genomic Analysis of Burger, a Novel Mycobacteriophage
12. **Seth Childers and Amy Campbell** Benthic Macro Invertebrates as Used to Determine Water Quality in Clark County Streams and Rivers
13. **Madison Myers and Breanna Fehlman** Effect of Fatigue and Time on Eyewitness Memory
14. **Emily Sanders** Using the RbcL Gene and DNA Barcoding Techniques to Identify Members of the Cactaceae Family
15. **Kyle Francis and Greg Williams** Does Weights Affect Your Vertical?

16. **Michelle Wasmund** Circle Of X's
17. **Pete Brunson** Monitoring bis-Phenol A (BPA) in Water Exposed to Thermal Receipt Paper Using Fluorescence Spectroscopy
18. **Breanna Harris and Jeremy Small** Athletic Induced Asthma in the Environment
19. **Korey Byrd** Should Cheerleading be Considered to be One of the Most Dangerous Sports?
20. **Jace Bradshaw** The Determination of Electric Confinement Produced by a Glass Box in a Complex Plasma
21. **Sarah Pollock** The Effect of Sugar Substitutes on Roasted Brussel Sprouts
22. **Jordan Howard** Sensory Evaluation of French Coconut Pie with Various Sugar Concentrations
23. **Abby Evans** The Effect of Professors' Age and Gender on Perceived Job Qualifications in Academia
24. **Jala Rainey** Sensory Evaluation of Pumpkin Bread Made with Varying Amounts of Truvia
25. **Shelby Pierceall** A Sensory Evaluation Using Sugar Substitutes in a Traditional Brownie Recipe
26. **Ashley Bullington** Media in America Today
27. **Brad Hunter-Heird** Evaluation of Sugar Substitutes
28. **Ellie Quick** How Race and Ethnicity Affect Social Class in the United States
29. **Kayla Roop** How Cell Phones Effect Socialization
30. **Hannah Osborne** Evaluation of the Elrod Center's ElderServe Program and the Elders Needs and Wants
31. **Barrett Burger and Jason Stevenson** Using an Innovative Three-Dimensional Spheroid Model of Tumors to Study Pediatric Cancer
32. **Alex Morrison** Sugar Alternates on No-bake Cookies
33. **Dustin Walter** A Radial Diffusion Assay for the Rapid Evaluation of Antimicrobial Peptides
34. **Jessie Meyer and Mallory Burroughs** Enntiospecific Analysis of CYP2C9 Through Computational Docking

Recital

W. Francis McBeth Recital Hall

TJ Bailey, Moderator

2:00-3:00 p.m.

La Boheme

Giacomo Puccini

Quando m'en vo

Beth Crisler, Soprano

Phyllis Walker, Piano

Prelude in g minor Op. 28, no. 22

Frederic Chopin

Jillian Turner, Piano

The Secret Garden

Lucy Simon

A Bit of Earth

Chad Burris, Tenor

Phyllis Walker, Piano

I Capuleti e i Montecchi

Vincenzo Bellini

Oh, quante volte

Molly Salmon, Soprano

Kristen LaMadrid, Piano

Fantaisie Pastorale Hongroise, Op. 26

Francois Doppler

Elizabeth Baker, Flute

Susan Monroe, Piano

Parade

Jason Robert Brown

It's Hard to Speak My Heart

Joshua Wayne, Baritone

Phyllis Walker, Piano

Danzas Argentinas

Alberto Ginastera

III. Danza del gaucho matrero

Jordan Denniston, Piano

Concertino Op. 94

Dmitri Shostakovich

Caroline Dunlap and Joanna Horton, duo-pianists

Theatre Scenes

Verser Theatre
Sara Cat Williams, Moderator
3:15-3:50

Claptrap	Ken Friedman
Sam - Kenderick Scorza	
Sarah - Kathleen Suit	
First Kisses	J.D. Hannigan
John - Kenderick Scorza	
Mary - Kathleen Suit	
When Pigs Fly	Dick Gallagher
Bigger is Better	
Chad Burris, Tenor	
Phyllis Walker, Piano	
The Wild Party	Andrew Lippa
What is it About Her	
Chad Burris, Tenor	
Phyllis Walker, Piano	
Proof	David Auburn
Hal – Tyler Wisdom	
Catherine – Stacey Hawking	
Slight Hitch	Lewis Black
Ryan – Tyler Wisdom	
Courtney – Stacey Hawking	
Phoenix	Scott Organ
Bruce - Joe Ochterbeck	
Sue - Lauren Linton	
He Gave Her the Eye	John Sheely
Dex - Joe Ochterbeck	
Donna - Lauren Linton	
Red	John Logan
Ken - Joe Ochterbeck	

Art Exhibit Presentations

Moses-Provine and Hammons Galleries 3:00-4:00

- 3:00-3:15 **Craig Martin**
Moses-Provine 203
“Awakening Text”
- 3:20-3:35 **Adam Oakes and Michael Connell**
Hammons Gallery
“BACK”
- 3:40-3:55 **Brittany Ewart**
Moses-Provine 203
Senior Portfolio Presentation

Honors Theses

Group A

Walker Conference Center A
Madeline Martin and Bailey
Chitwood, Moderators

- 2:00 Jason Stevenson**
Caring for Cancer
- 2:30 Rebekah Ward**
Identification of ajulemic acid receptors to investigate the mechanism of cell death in Ewing's sarcoma
- 3:00 Sarah Bishop**
Protective effects of aqueous extract of Terminalia arjuna bark against doxorubicin-induced cardiotoxicity
- 3:30 Alexandria Lemos**
The Effects of Physical Activity and Movement on Learning
- 4:00 Anna Wakeling**
The Call of the Sidhe: Poetic and Mythological Influences in Ireland's Struggle for Freedom

Group B
Walker Conference Center B
Alexandria Lemos and Anna Sikes,
Moderators

- 2:00 Clark Whitney**
The Relationship Between Natural Law and
Mosaic Law in Philo: His "Rewards and
Punishments" as a Case Study
- 2:30 Christopher Redmon**
Faithless Israel, Faithful Pagans, and the
Delivered Prophet of Doom: Jonah as a Lens for
Reading the Gospel of Matthew
- 3:00 Hunter Wolf**
Economic Leapovers
- 3:30 Alex Nelson**
PUREnovation, Inc.
- 4:00 TJ Bailey**
Multigenerational Worship
- 4:30 Katie Hopmann**
Show Me a Story: The Creative Process of
Communicating Truth through a Picture Book

Group C
Walker Conference Center C
Sarah Davis and Nina Hefner,
Moderators

- 2:00 Anna English**
Freeflight: Conveying Christian Redemption in
Realistic Literature
- 2:30 Lacey Johnson**
The Evolution of Fashion: Upper-Class American
Women's Clothing from 1860 to 1920
- 3:00 Sally Ferguson**
Women and Watchmen: Opening the
Refrigerator of Alan Moore
- 3:30 Ellen Eubanks**
Interwoven: A Fantasy Novel

Performance Thesis

Verser Theatre

Lacey Johnson, Moderator

4:00-4:45

4:00 **Sarah Lynnette Davis**

Shakespeare: The Mirror of the Human Soul
A thesis lecture-performance including a collection of ten Shakespeare monologues, staging, character analysis, discussion of process, and a question/answer session to follow the presentation.

Presentations

McClellan Hall 205
Ellen Eubanks and Brian Monk,
Moderators
2:00-4:00

- 2:00 Damaris Garcia and Haley Brown**
What Makes an Effective School
- 2:15 Carter Harlan and Kacie Richards**
Becoming an Effective Teacher: Planning for Success
- 2:30 Abby Pickett and Emily Crump**
Engaging Students Through Simulation in the Classroom
- 2:45 Jessica Hillyard**
DNA Barcoding to Determine Relatedness Between Fish Caught in an Arkadelphia Stream
- 3:00 Kelsi Bodine**
Women in U.S. State Legislatures
- 3:15 Katelyn Barber**
Methods to Teaching Math
- 3:30 Madeline Martin and Shelby Davis**
The Effects of Cannabidiol on VEGF and MMP-9 in Spheroid Models of Ewing's Sarcoma
- 3:45 Ashley Glover**
Uptake of modified porphyrin photosensitizers by triple-negative breast cancer cells

McClellan Hall 206
Molly Bowman, Moderator
2:00-3:15

- 2:00 Adam Dodd**
Buddhism in America
- 2:15 Matthew Ablon**
A Different Matrimony: An Examination of "The Storm"
- 2:30 Sean Jackson**
Two Short Stories
- 2:45 Hannah Wright**
"Boys Will Be Boys: The Differences Between Good, Good and Good Bad Boys"
- 3:00 Katelyn Smith**
Art in the Third Reich

Young Auditorium,
Hickingbotham Hall
Hannah Boren and Shelby Spears,
Moderators
2:00-3:30

2:00 Collin Battaglia

Vajrayana Monastic life and Rituals

2:30 Amy Simon

Mary Rowlandson's Captivity: The Evolution of
Emotion Toward Her Captors

3:00 Megan Trout, Wade Stotts, Chelsea Whelpley,

**Molly Anne Turner, Sophie DeMuth, Daniel
Ogier, Ben Schlieff, and McKenzie Cranford**

OBU at Sundance

Hickingbotham Hall 200
Kaiti Walker, Moderator
2:00-3:30

2:00 Emily Hasting

College Students' Knowledge, Beliefs, and Behaviors Related to Gluten.

2:30 Ellen Flint

The Quedlinburg Art Scandal

3:00 John Hewitt

Contextualization Trends in Missions
Methodology: Cultural Acceptance or Syncretism?

3:30 Leah Anderson

Mary Surratt: The Unfortunate Story of Her Conviction and Tragic Death

3-D Case Study Presentations

McClellan Hall 100
Dustin Walter and Jessica Hargis,
Moderators
2:00-5:00

Anatomy and Physiology students are using a stereoscopic 3D projection system and software called BodyViz to present real patient data in case study scenarios. Audience members will wear 3D glasses to view the body in ways not possible before while they hear about the diagnosis, prognosis, and treatment plans for patients' scans of represented disease states.

- 2:00-** Dustin Walter, Jessie Meyer, Kaiti Walker, and Jeb Little
- 2:15-** Trevor Meece, Tyler Williams, Shelby Davis, and Jacob Moreno
- 2:30-** Brian Monk and Joel Ubeda
- 2:45-** Mali Crumpton, Lauren Deckleman, and Taylor Fowler
- 3:00-** Jesse Kitchens, John Givler, and Lindsey Patrick
- 3:15-** Elizabeth Willis and Jack Hunley
- 3:30-** Trinity Dial, Chris Price, Colt Thompson, and Austen Morgan
- 3:45-** Sara Cat and Natalie Williams
- 4:00-** Rachel Pruett, Sarah Carr, and Heidi Hughes
- 4:15-** Caroline Groustra, Katie Brech, Katie Carroll, and Reagan Parsons

Acknowledgements

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The Honors Council

The Alpha Tau Honors Society

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