SCHOLARS DAY

2018

PROGRAM OF EVENTS
SCHOLARS DAY

April 25, 2018

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 $8.00 in
Walker Conference Center or Evans Student Center
Table of Contents

Alpha Chi Inductions 4

Poster Presentations 5
  Group A 5
  Group B 9

McBeth Recital Hall 13

Theatre Arts Showcase 15

Art Exhibit 17

Honors Theses 19
  Walker Conference Center A 19
  Walker Conference Center C 21
  Young Auditorium 23
  Hickingbotham 200 24
  McClellan 203 25

Presentations 26
  McClellan Hall 205 26
  McClellan Hall 206 27
  McClellan Hall 207 28
  Moses Provine 206 29

Group Presentations 30

Poster Exhibit: Human Trafficking 31

Acknowledgements 32
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
Walker Conference Center B
1:45-3:00

1. Hannah Gray, Allison Biggers
   Teacher’s General Knowledge of Literacy

2. Tyrese Allen
   The Effects of Light and Gravitational Disruption on the Growth and Development of Dictyostelium dicoideum

3. Sarah Cowell, Shelby McCollett
   General Knowledge of Autism Spectrum Disorder

4. Christian Mayho
   Sensory Evaluation of Cornbread Prepared with Milk Substitutes

5. Margaret Donnell, Gabriela Gonzalez, Neeshia Harvell
   Don’t Label Me: The Art of Stereotyping

6. Rebekah Van Cleave, Mikala Wooley
   Different Adult Populations and Their General Awareness of the Early Signs of Autism Spectrum Disorder
7. **Alivia Huell**  
Clark County Pictorial Analysis in the 1800s

8. **Sydney Van Scyoc**  
Sensory Evaluation of Fat Substitutes in Biscuits

9. **Britney Bost**  
Content Exploration of Relevant Pre-1900 Historical Sites in Clark County

10. **Erin Lundy, Kelsey O’Brien, Laura Beth Smith**  
Integrating False Memories into Long-Term Memory

11. **Brittney Schroeder, Glory Pinkerton, Molly Mattingly, Zach Street**  
The Effects of Social Media on Self-Esteem

12. **Sadie Prejean, Felicia Valdez**  
Men’s Perception of Women In Relation to Masculinity

13. **Paige Smith**  
The Link Between Graded Papers, Ink Color, and Self-Esteem

14. **Matthew Courtright**  
Data Collecting of Old Historical Clark County Landmarks
15. Layten Moseley  
Discovering Historical Data in Clark County

16. Jerry Moorehead  
Using GIS to Map Pre-1800 Historical Sites in Clark County

17. Grace Steiner, Jacob Evans, Sidney Kelley  
Are You Pandattention? How Distance and Ego-Depletion Affect Inattentional Blindness

18. Mason Clay  
Effects of Hypobaria with Added O₂ and CO₂ Concentrations on Arabidopsis thaliana Development

19. Erin Harrington, Jaret Webb  
Early Educator’s Knowledge on Language Development

20. Kaitlyn Thomas, Alyson Cole, Nick Kowalkowski, Mary Beth Jones  
Evaluating the PD-1/PD-L1 Axis in EGFR VIII Expressing Glioblastoma

21. Casey Roark  
Carbon Nano-Onions as an Extra-Cellular Matrix for Neurite Differentiation
22. Lesley Howard, Jayla Jacques, Stephanie McCann
Hypocrisy, Veganism, and Morality; An Exploration of Food Stereotypes

23. Kesley Brown
Metallothioneins and the Glucocorticoid Receptor in Ewing’s Sarcoma

24. Nathan Terry
Early Development of Arabidopsis thaliana in Possible Spaceflight Conditions of Low Pressure and Altered Oxygen and Carbon Dioxide

25. Haley Campbell, Bailey Kimes, Bethany Long
Retention: Helpful or Harmful?

26. Sarah O’Neall
Sensory Evaluation of Blueberry Muffins Prepared with Sugar Substitutes

27. Kaycee Patrick
Sensory Evaluation of Banana Pudding with Nonnutritive Sweeteners

28. Tara Ridling, Keleigh Shands
The Effects of Stereotyping

29. Dondie Franklin
Exploring Historical Infrastructures in Clark County
Group B
Walker Conference Center B
3:15-4:30

1. Sally Owens
   Development of Water-Soluble Photodynamic Therapy Agents for Treatment of Breast Cancer

2. Caitlin Cantrell
   Sensory Evaluation of Frog Eye Salad Prepared with Various Sugar Substitutes

3. Sabrina Chambers
   Sensory Evaluation of Pineapple Upside Down Cake Using Variations of Flour

4. Morgan Lynch
   Characterizing and Identifying Alcaligenes Species SORT-26 and TRTW-21

5. Molly Boone
   Sensory Evaluation of Heath Bar Chocolate Cake Prepared with Fat Substitutes

6. Jessica Thomas
   Evaluating Clark County in the Late 1800s

7. Katherine Carter
   Survey of Pre-1900s Historical Sites in Clark County
8. Rebekah Cobb  
   Mapping Late 1800 Historical Sites in Clark County

9. Beth Naylor, Mandy Tebbetts  
   The Effects of Religion on Stereotyped Beliefs

10. Luke Holt  
    ACL Risk Factor Assessment and Prevention for Female Athletes

11. Sydney Van Scyoc  
    Comparison of BMI, BMI-For-Age Percentile, Weight Status Category, and Z-Score Between an Intervention Group and Control Group

12. Britney Bost, Haileigh West  
    Perceptions of Disabilities in the Work Place

13. Laura Beth Smith, Haley Jo Wesson  
    Stuttering: Myth or Fact?

14. Mary Beth Jones, Matt Savage  
    Chemical and Biological Assessment of the Ouachita River and Associated Tributaries Prior to the Construction of a 1.4B Paper Mill

15. Morgan Fowler, Loren Bennett  
    Childhood Apraxia of Speech (CAS)
16. **JoBeth Guerra**  
Sensory Evaluation of Oat Muffins Prepared with Sugar Substitutes

17. **Brittany Beaver, Nathan Terry**  
Optimal Wavelength of Light for Arthrospira platensis Photosynthesis

18. **Taylor Spigner, Skylar Baker**  
SLPs and the Use of Phonetics

19. **Taylor Johnson**  
Antibiotic Efficacy Range of Potential Biocontrol Bacteria

20. **Kaitlyn Thomason**  
Determination of Bisphenol A (BPA) in Infant Oral Hygiene Devices Using Fluorescence Spectroscopy

21. **Otha Warren**  
The Effect of Alcaligenes faecalis Antimicrobial Extract on Klebsiella pneumoniae

22. **Alexis Weber, Natalia Arteaga**  
Bilingual College Experience in Academics

23. **Meredith Bolin**  
Determining Levels of Bisphenol A (BPA) Leached Into Water From Thermal Receipt Paper Using Fluorescence Spectrophotometry
24. Madeline Rowe, Paige Morpew, Anna Caroline Strickland
   Educators’ Knowledge About the Profession of Speech-Language Pathology

25. Jayla Jacques, Cheyenne Anderson
   Myths and Facts of Hearing Impairment

26. Hannah Brandon
   Effectiveness and Mechanism of Action of Modified Porphyrins for Photodynamic Therapy of Triple Negative Breast Cancer Cells

27. Elizabeth Fast
   Ten-Year Longitudinal Study Measuring Body Mass Index, Body Mass Index-for-Age Percentile and Weight Status Category of Children in a Rural Southwest Arkansas Community

28. Rachel Bacon, Cyntanna Hawkins, Katie Smith, Lesley Howard, Lauren Lovelady
   The Cost of Climate Change: Lyme Disease and Your Wallet
McBeth Recital Hall

2:00
Program

La Fille aux Cheveux de Lin   Claude Debussy
(1862-1918)
Melissa Lee, Piano, Freshman

Nocturno   Franz Strauss
(1822-1905)
Holli Barger, Horn, Freshman
Susan Monroe, Piano

The Silver Swan   Ned Rorem
(b. 1923)
Hannah Saunders, Soprano, Junior
Kristen LaMadrid, Piano

Impromptu, Op. 90, No.4   Franz Schubert
(1797-1828)
Isabel Dodds, Piano, Junior

C’est l’extase langoureuse   Claude Debussy
Lizzy Griffin, Soprano, Junior
Phyllis Walker, Piano

Ocean   John Butler
(b. 1975)
Winston Gentry, Guitar, Senior
Prelude “General Lavine”  
Claude Debussy  
Elizabeth Anderson, Piano, Senior

**Annie Get your Gun**  
Irving Berlin  
I’m a Bad, Bad Man  
(1888-1989)  
Clay Mobley, Bass-baritone, Sophomore  
Phyllis Walker, Piano

Moonlight  
Christopher Belich  
(b. 1992)  
Abby Tipps, Percussion, Senior

_________________________________________

**Presentation in the Recital Hall**

3:30  **Libby Villegas**  
While I was Painting the Roses
Theatre Arts Showcase

Verser Theatre
Dr. Scott Holsclaw, Moderator

3:30   Anna Joie Valdez – Thesis Presentation
       Acting in a Global Context

4:00   Performances from KC-ACTF Irene Ryan Acting Scholarship Competition:

Scotty Scott (Irene Nominee) and Mackenzie Holtzclaw

   Best of Enemies by Mark St. Germain
   A Midsummer Night’s Dream by William Shakespeare

Lauren Terry (Irene Nominee) and Michael Pere

   Much Ado About Nothing by William Shakespeare
   When the Rain Stops Falling by Andrew Bovell
   Loose Knit by Theresa Rebeck

Anna Joie Valdez (Irene Nominee) and Kenzie Henderson

   Julius Caesar by William Shakespeare
   The Odd Couple (Female Version) by Neil Simon
   Close Ties by Elizabeth Diggs
Rachel Webber (Irene Ryan Nominee) and Dylan Blackwood

* Nice People Dancing to Good Country Music by Lee Blessing
* When the Rain Stops Falling by Andrew Bovell
* As You Like It by William Shakespeare

Anna Joie Valdez, Lauren Terry, and Anna Darr

A Selected Scene performed at the Regional Festival of the KC/ACTF

*Blood Wedding* by Fredrico Garcia Lorca translated by Lillian Groag
Art Exhibit

Rosemary Gossett Adams Gallery, Moses-Provine Hall

Tricia Griffin, Senior Exhibit in, (1st floor)

Sarah Engebrecth, & Morgan Cansler
Senior Exhibits in (2nd floor)

2018 Juried Student Exhibit
Hammons Gallery, Mabee Fine Arts

Juried by Matt Smith, Assistant Professor of Art and Graphic Design, University of Mary Hardin-Baylor

Participants and awards:
1st - Sarah Engebrecth, "Nostalgia in Blue"
2nd - Zhanxiu Lu, "Dream"
3rd - Carrie Hill, "Lost at Sea"

Honorable Mentions:
1. Carrie Hill, Meeting
2. Carrie Hill, Bendingeidfrin Attacks Ireland
3. Zhanxiu Lu, We Don't Talk Anymore
4. Bethany Lagen, Movin' On
5. Lexie Hoggard, Screwtape Cover
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<thead>
<tr>
<th></th>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>1</td>
<td>Hannah Cohen</td>
<td>Lone Survivor</td>
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<td>2</td>
<td>Lesley Howard</td>
<td>Controlled Coffee Stains (Rachel)</td>
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<td>3</td>
<td>Lesley Howard</td>
<td>Lost in Thought</td>
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<td>4</td>
<td>Lesley Howard</td>
<td>Anguish</td>
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<td>Khairan Stafford</td>
<td>Demented</td>
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<td>6</td>
<td>Khairan Stafford</td>
<td>XJ-9</td>
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<td>7</td>
<td>Faith Twyford</td>
<td>Didot</td>
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<td>8</td>
<td>Faith Twyford</td>
<td>Wasteland</td>
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<td>9</td>
<td>Bethany Lenards</td>
<td>Mr. Brightside</td>
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<td>10</td>
<td>Chad Satchell</td>
<td>Baskerville</td>
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<td>11</td>
<td>Sara Rothwell</td>
<td>City of Stars Poster</td>
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<td>12</td>
<td>Bethany Lagen</td>
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<td>Bethany Lagen</td>
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<td>Kelsey Chanler</td>
<td>Drew</td>
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<td>15</td>
<td>Kelsey Chanler</td>
<td>Ranger</td>
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<td>16</td>
<td>Allisha Bates</td>
<td>Amethyst Rising</td>
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<td>17</td>
<td>Joy Estes</td>
<td>Multiplicity</td>
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<td>18</td>
<td>Joy Estes</td>
<td>Cryptic tree Filters</td>
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<td>19</td>
<td>Joy Estes</td>
<td>Grandeur: Dawn</td>
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<td>20</td>
<td>Joy Estes</td>
<td>Grandeur: Day</td>
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<td>21</td>
<td>Joy Estes</td>
<td>Rusty Water</td>
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<td>22</td>
<td>Tyson Hume</td>
<td>Elusive Fox</td>
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<td>23</td>
<td>Sidney Kelley</td>
<td>Who Am Eye</td>
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<td>24</td>
<td>Zhanxiu Lu</td>
<td>Hope</td>
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<td>25</td>
<td>Carrie Hill</td>
<td>The Room's Aftermath</td>
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<td>26</td>
<td>Whitney Jetton</td>
<td>Nesting Dolls (Series of 4)</td>
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<td>27</td>
<td>Abby Leal</td>
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<tr>
<td>28</td>
<td>Kayla Hill</td>
<td>The Riveter's Roses</td>
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<td>29</td>
<td>Mallory Morris</td>
<td>Bees on Flowers Painting</td>
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Honors Theses

Walker Conference Center A
Austin Sowerbutts, Moderator

1:30  **Alex Abbot**
Effectiveness and Method of Action of Modified Porphyrins for Photodynamic Therapy of Triple Negative Breast Cancer Cells

1:55  **Hannah Hart**
Assessing Specificity of Indazole Derivatives as Inhibitors to CYP2E1

2:20  **Kori Bullard**
An Assessment of the Effects of Medical Marijuana on the Quality of Patient Life

2:45  **Callie Clement**
Synthesis and Relaxivity of Target-Specific MRI Contrast Agents

3:10  **Christopher Godwin**
JWH-018 Selective Serotonin Reuptake Inhibitors: Drug-Drug Interactions and Implications on Toxicity

3:35  **Victoria Lackey**
Treating Breast Cancer with Light: The Creation of a Photodynamic Therapy Agent
4:00  Kaitlyn Thomas
Killing Cancer with Light

4:25  Rachel Bacon
Gene Expression to Determine Exosome Effects on
Neural Cell Lines: Potential Treatments and
Diagnostic Markers

4:50  Alyson Cole
Timing of Exosome Production on Cell (PC12)
Differentiation

5:15  Cody Thompson
Learning How to Isolate Exosomes on OBU’s
Campus
Walker Conference Center C  
Taylor Bascue, Moderator

1:30  Alex Gianelloni  
Canada and Koinonia: Contextualization of Koinonia for the Peoples of Modern Day Canada

1:55  Taylor Bascue  
A Study of the Hebrew Infinitive Absolute and its Translations in the Septuagint

2:20  Elizabeth Fast  
A Survey of Rural Southwest Arkansas Baptist Church on Attitudes Toward Nutrition and Physical Activity in the Church

2:45  Addison Bostian  
Project Emerald: A New, Fun, Flexible, Easy-to-use Programming Language

3:10  Briley Baird  
Testing Bacterial Antibiotic Production Under Carbohydrate and Protein Starvation

3:35  Aaron Woodall  
Dysregulation of Human Phase 1 Enzymes in APAP Overdose Subjects with Low ALT Levels

4:00  Logan Turner  
Experiencing West Africa: What A Semester on the Mission Field Taught Me
4:25  **Kaylie Roberts**  
The View of Death and Dying, and Other Medical Issues, Through the Eyes of People in Different Religions

4:50  **Ashley Sharpe**  
Respect: A Bridge Between Inupiaq Tradition and Christianity
Young Auditorium
Jessica Cook, Moderator

1:30  Emily Bradley
Nothing is Porcelain Here

1:55  Seth Daniell
The Exploration of Tonal Music Language

2:20  Hope Wakeling
Nature in a Sense: A Look at Wordsworth, Other Authors, and the Bible

2:45  Hannah Hines
Fake News: What is the REAL Issue?

3:10  Krystal Parker
Please Don’t Preach at Me: My Journey with Writing a Christian Young Adult Novel

3:35  Victoria Anderson
Notes from Kilroy

4:00  Morgan Howard
Twice Upon A Time

4:25  Kacy Spears
The Field
Hickingbotham 200
Mallory Mayfield, Moderator

1:30 Andrew Martin
Collaborative Storytelling Through Different Narratives

1:55 Cassie Young
Bruised but Unbroken: Cultural Responses to the Irish Troubles

2:20 Kristina Beall
Predictors of Independence for Adults with Intellectual Disability

2:45 Allison Austin
Accessibility in the Theater

3:10 Amanda Abbud
Applying Nehemiah’s Leadership Characteristics in the Business World Today

3:35 Kinsey Nelson
The Effect of Exercise and Diet on Insulin Resistance

4:00 Alexa Spinks
The Outlook of Occupational Therapy

4:25 Kelsey Harrison
The Middle Schooler’s Guide to Success
McClellan 203
Duel Cunningham, Moderator

1:30  Mattie Alexander
Stories of Eureka Springs: A Multi-Media Package

2:00  Shelby Reams
Market Expansion Challenge Finish School Internationals
Presentations

McClellan Hall 205
Anni Williams, Moderator

1:30 Lindsey Swafford
Emotion Facial Recognition Training in Children with Autism Spectrum Disorder

2:00 Daniel Games
Who am I? An Investigation of my Personal Genetics

2:30 Madison Crosby
Functionalization of Carbon Nano-Onions for Use as MRI Contrasting Agents

2:45 Evan Nelson
What Style of Ball Should a College Basketball Team Play?

3:15 Selby Tucker
What Makes a School Successful?
McClellan Hall 206
Austin Clements, Moderator

1:30 Tristan Benzon
Understanding Furries

2:00 Mattie Dodson
Take This with a “Greyn” of Salt: An Interpretation of the “Prioress’s Tale”

2:30 Duel Cunningham
How Do I Tell a Story? Let Me Count the Ways

3:00 Grace Talley
Manataka and the Arts

3:15 Sarah Davis
Mormonism: Are Women in LDS Depressed?

3:30 Scotty Scott
An In-Depth Look at the Carnatic Music of India

4:00 Austin Clements
Forty Acres and Uncle Sam: An Analysis is Kendrick Lamar’s To Pimp a Butterfly
McClellan Hall 207
Emily Koonce, Moderator

1:30  Chelsey Vermillion
Understanding Prions: From Mad Cow Disease to Alzheimer’s Disease

2:00  Hannah Brandon
A Study of Evidence of Intelligent Design

2:30  Austin Connolly
South Coast Baking: Manufacturing Expansion to Support Business Growth

2:45  Alexandra Weaver
What is Life like Inside of a Beehive

3:00  Noah Bowman
The Characterization of Neuroendocrine Prostate Cancer

3:15  Rylee Roberts
Worship and Spiritual Manipulation
Moses Provine 206
Tanner Caton, Moderator

3:00  Hannah Perkins
Bare Essentials: Vietnamese Culture explained through artistic photography

3:15  Sierra Westberg
Cultivating “Musical Wildflowers”: A Look at Percy Grainger’s Lincolnshire Posy
Group Presentations

McClellan Hall 100
Christian Hickingbotham, Moderator

2:00 Ary Student Investment Fund
Chandler Blake, Amanda Abbud, Chris Clark, Brady Thompson, Nathan Loftin

2:30 AD/PR Campaigns Pitch for The Barn at Richwoods
Taryn Bailey, Alex Blankenship, Rachel Bruton, Chris DiGiovanni, Sarah Engebrecht, McKenzie Gosser, Adam Graves, Savannah Hogg, Miranda Hudleston, Katie Kemp, Tiffany Lee, Mercedes Mata, Garrett Moore

3:00 African American Coaches at OBU
Dakota Wilson, Sean Faught, Chris Leger, Tristan Benzon

3:30 Enactus
Drew Holland, Abigail Brizuela, Madison Prowell, Christian Hickingbotham, Mallory Tabler

4:00 American Citizens Response to the Clinton Administration Inaction in Rwanda
Tristan Benson
Poster Exhibit: Human Trafficking

McClellan Rotunda

Thailand – Tyler Gahr, Phoebe O’Connor, Hayley Knight

Russia – Spencer Ewing, Mary Daniels, Hannah Cook

Syria – Haley Campbell, Taylor Parsons, Tara Ridling, Briley Baird

China – Holly Ritchie, Dominique Smith, Emily Cooper

Mexico – Katie Kitchell, Wade Warren

Belize – Erin Harrington, Grace Howell, Rebekah Cobb, Candee Jo Bloxom

Zimbabwe – Dondie Franklin, Shamonica Brown, Kelsey Norton

Sudan – Brittney Schroeder, Sadie Prejean

Senegal – Britney Bost, Haileigh West, Abby Saunders
Acknowledgements

The Carl Goodson Honors Program appreciates the following people for contributing their time, talent, and resources to Scholars Day 2018:

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Mr. Phil Hardin  
Assistant to the President for Administration

Dr. Stan Poole  
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Dr. Scott Holsclaw
Dr. Margaret Garrett

The Faculty Honors Council

The Alpha Tau Honors Society
Leadership and Volunteers