

Ouachita Baptist University

Scholarly Commons @ Ouachita

Scholars Day

Carl Goodson Honors Program

4-2021

Scholars Day Program of Events 2021

Carl Goodson Honors Program

Follow this and additional works at: https://scholarlycommons.obu.edu/scholars_day



Part of the Business Commons, Creative Writing Commons, Education Commons, History Commons, Life Sciences Commons, Medicine and Health Sciences Commons, Philosophy Commons, Physical Sciences and Mathematics Commons, Reading and Language Commons, Religion Commons, and the Social and Behavioral Sciences Commons

SCHOLARS DAY

2021

PROGRAM OF EVENTS

SCHOLARS DAY

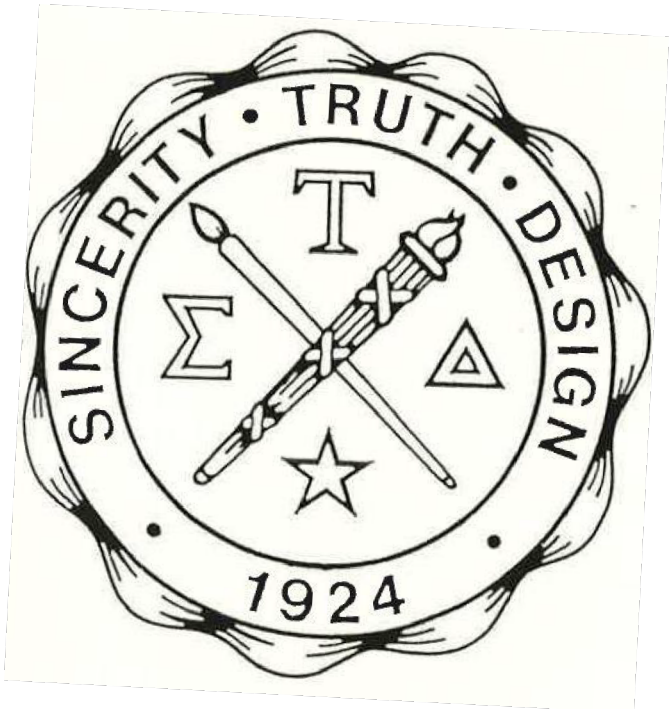
April 21, 2021



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 in
Walker Conference Center

Table of Contents

<i>Poster Presentations</i>	5
Group A	5
Group B	9
<i>Music Recital</i>	13
McBeth Recital Hall	13
<i>Theatre Arts Performances</i>	15
Verser Theatre	15
<i>Art Exhibits</i>	16
Rosemary Gossett Adams Gallery, Moses–Provine Hall	16
<i>Honors Theses</i>	19
Walker Conference Center A	19
Walker Conference Center B	21
Walker Conference Center C	23
Hickingbotham Hall 200	25
Alumni Room	27
Jones Performing Arts Center	29
<i>Oral Presentations</i>	30
Berry–Peeples Bible Building 126	30
Young Auditorium	31
<i>Acknowledgements</i>	32
<i>Notes</i>	34

Alpha Chi Induction

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 Berry Chapel.

12:30 P.M.

Poster Presentations

Group A

Jones Performing Arts Center

Dane Jester, Moderator

1:45-3:00 P.M.

- 1. Hannah Rossell**
Historical Woman in STEM: Mae-Britt Moser
- 2. Emily Stover, Maggie Goff & Abby Moore**
Joint Effect of Color on Emotion and Memory
- 3. JoAnn Sanders, Reanna Johnson & Dawson Goodwin**
Social Media and Personality
- 4. Chloe Morse, Hannah Martin, Holly Turner & Ethan Russell**
A Study of the Influence of Gender Stereotyping on Social Loafing
- 5. Ashton Hurst, Taylor Darland & Hannah Posey**
Does Wearing Red Make You Angry?

6. **Maggie George, Michael Felan & Jared Wainwright**
Race and Gender Discrimination in Job Hiring
7. **Ashley Davis, Erin Williams & Jacob Brown**
Music and Cognition
8. **Pietra Gois Camargo, Jonte Normand & Luke Lancaster**
Influences of Empowering vs. Depressing Music on Self-Esteem
9. **Scott Gay, Griffin Hopkins & Logan Robertson**
The Relationship Between Expressing Negative Emotions and Healthy Relationships
10. **Griffin Hopkins**
Bioinformatic Analysis of Antibiotic Producing Soil Bacteria
11. **Tessa Watson**
Oxygen Production In Spiral and Straight Shaped *Arthrospira platensis*
12. **Zane Smith**
The Efficacy of Gibberellic Acid on Germination and Early Development of *Arabidopsis*
13. **Alexis Summerford**
Habitat Use and Prevalence of Birds at Jack Mountain Wildlife Management Area

- 14. Erin Chappell**
Evaluating the Effect of GPI-Anchored Proteins on Wound Recovery in Adenocarcinoma
- 15. Jack Patterson & Benjiman Carpenter**
Watermelon Sweetness Determination
- 16. Landen Irby & Caleb West**
Designing a Passive Tracking Solar Panel System with Shape Memory Alloys
- 17. Kayla Whittington**
Development of Novel Water-Soluble Porphyrins for Potential Use as Photosensitizers in Photodynamic Therapy
- 18. Ryane Thurman**
The Photodynamic Therapy Potential of a Novel Water-Soluble Porphyrin
- 19. Aubree Seibert**
The Photodynamic Therapy Potential of a Novel Water-Soluble Gallium Porphyrin
- 20. Gabe Poe**
Testing of Novel Photodynamic Agents for Viability and Localization in Photodynamic Therapy

- 21. Harry Jeffrey**
Biomimetic Poly(Acrylic Acid) Fiber Scaffolds for
Medical Applications

- 22. Peyton Dodd**
Investigation of Biomimetic Polymers as Alternative
Nanofibrous Wound Dressing

- 23. Olivia Crites**
Determination of BPA in Children's Bamboo
Toothbrush Bristles Using Fluorescence Spectroscopy

Group B

Jones Performing Arts Center

Olivia Hibbard, Moderator

3:15-4:30 P.M.

- 1. Gwyneth Hadasa**
Science Behind Desserts: Cookies, Cakes, & IceCream
- 2. Jorie Beaumont**
Sensory Evaluation of Dutch Sugar Cookies Prepared with Splenda™
- 3. Jorie Beaumont**
A Systematic Review of Teacher Training to Impact Childhood Obesity
- 4. Cannon Fisher**
A Systematic Review of the Nutrition-Focused Physical Exam in Assessment of Malnutrition: A Focus on the Elderly
- 5. Cannon Fisher**
Prevalence of Eating Disorders in College Athletes
- 6. Ashlee Stewart**
Dietary Patterns Associated with Technology Applications

- 7. Madeline Steely**
Sensory Evaluation of Sugar Cookies Prepared with Sugar Substitutes
- 8. Lauren Schoenherr**
Dietary Supplement use among College Students
- 9. Robert Otero**
Sensory Evaluation of Peanut Butter Cookies Prepared with Fat Substitutes
- 10. Abby Morris**
Sensory Evaluation of Oatmeal Chocolate Chip Cookies Prepared with a Sugar Substitute
- 11. Sean McKinney**
Sensory Evaluation of Shortbread Cookies Prepared with Stevia™
- 12. Erica Klitz**
Sensory Evaluation of Chocolate Chip Cookies Prepared with Unsweetened Apple Sauce as a Fat Substitute
- 13. Julianna Jones**
Sensory Evaluation of Chocolate Chip Pecan Cookies Prepared with a Sugar Substitute

- 14. Maija Gertson**
Sensory Evaluation of Oatmeal Cookies Prepared with Stevia™

- 15. Lily Formby**
Nutritional Knowledge Based on Undergraduate Major

- 16. Jessi Bennett**
Sensory Evaluation of Chocolate Chip Cookies Prepared with Sugar Substitutes

- 17. Kelsey Bailey**
Prevalence and Knowledge of Hydration on a College Campus

- 18. Madison Williamson and Megan Mosley**
Spanish & Portuguese Students' Ability to Distinguish English Cognates in Minimal Pairs

- 19. Sidney Salyers**
College Students' Knowledge of Selective Mutism

- 20. Sarah Rountree and Meredith Parker**
SLP's Knowledge of Dyslexia Diagnosis & Treatment

- 21. Emilee Roberson and Brooke Snyder**
Collaboration between Elementary Teachers and Speech Language Pathologists

- 22. Grace Oliver and Sidney Salyers**
Perception of Personality Traits Based on Pitch
- 23. Katlin Hardin and Moriah Manchack**
It all ADDs Up: Teacher's Knowledge of ADHD/ADD
- 24. Katherine Fehlman and Jenny Johnson**
Public Awareness of SLPs
- 25. Elisabeth Brown, Taylor Huggins, and Allie Tarnowsky**
Teacher Perceptions of the Relationship between
Language Skills and Classroom Behavior

Music Recital

McBeth Recital Hall
Kaylee Martin, Moderator
2:00 P.M.

Program:

- | | |
|--------------------------------|-----------------|
| Lakmé | Léo Delibes |
| Sous le dôme épais | (1836-1891) |
| Hannah Anderson, Mezzo-Soprano | |
| Melodie DuBose, Soprano | |
| Phyllis Walker, Piano | |
| My Fair Lady | Fredrick Loewe |
| Show Me | (1901-1988) |
| Danielle Hall, Mezzo-Soprano | |
| Kristin La Madrid, Piano | |
| Of Bronze and Blaze | J. Jay Berthume |
| Sam Campione, Tenor | |
| Susan Monroe, Piano | |
| The Fantasticks | Harvey Schmidt |
| Much More | (1929-2018) |
| Hannah Gothard, Soprano | |
| Susan Monroe, Piano | |

Etude in C# Minor Op. 2 No. 1 Alexander Scriabin
(1872-1915)
Anna Weyenburg, Piano

Immigrant Song Ivan Trevino
(1983-)
Jonathan Sandy, Snare Drum

Warzone Alexander Singer
Braden Crawley, Timpani

Historie du Tango Astor Piazzolla
Bordel 1900 trans. De Claude Viorpy

Klezmer Salsa Phillipe Gesis
Ouachita Saxophone Quartet
Craig Crawford, soprano Graham Scarborough, tenor
Katelyn Still, alto Cross Brandon, baritone

Theatre Arts Performances

Verser Theatre

Kristi Roshto, Moderator

4:00 P.M.

Scene Selections From:

Kin by Bathsheba Doran

Elizabeth Dawson & Carlin Campbell

Proof by David Auburn

Molly Kennedy & Ryan Lynch

Silent Sky by Lauren Gunderson

Sara Kate Cole & Elizabeth Ring

Ada and the Engine by Lauren Gunderson

Paige Price & Ryan Lynch

Art Exhibits

**Rosemary Gossett Adams Gallery, Moses–Provine Hall
2:00 P.M.**

Jenna Whitlow, Senior Exhibit on 1st floor
“No More Boring Art”

Hannah Perkins, Senior Exhibits on 2nd floor
“For a Dear Friend”

Grace Talley, Senior Exhibits in (2nd floor)
“Finally”

2021 Juried Art Show Reception and Award Ceremony

**Sponsored by OBU Art Club
Hammons Gallery, Mabee Fine Arts
5:00 P.M.**

Juried by alumna Emily Wood

Saba Esho

Kelsey
The COVID Doctor

Taylor Fielder

Waffles

Emma Gregory

Cycle

Nicholas Herrington

Leda and the Swan
Her
Reckoning

Tehya Hinkson

Uwoduhi Adanuto Beautiful Spirit
Untitled
The Remains
Summer and Winter

Reanna Johnson

Color

Faith Lymburner

Portrait of First Experiences

Avery Nomak

United

Jill Parsons

Psychedelic
Imagination Running Wild
The Traveling Artist

Thomas Parsons

Lighthouse

Abigail Powers

Outlook

Madi Rawls

blm

Mackenzie Stewart

Skater

Morning Dew

Four

Kamy Treat

Unboxed

Honors Theses

Walker Conference Center A
Sydney Motl, Moderator

- 1:30 P.M. Alyssa Reece**
Why Are We Using Our Mouths as an Entrance for Bacteria?
- 1:50 P.M. Jordan Bone**
Cell-Free DNA Testing as a Potential Way to Provide Early Detection of Ewing Sarcoma
- 2:10 P.M. Julianne Weaver**
Honokiol Treatment of Glioblastoma Cells
- 2:30 P.M. Timothy Spiva**
Analysis of MicroRNA Profiled in Extracellular Vesicles Emitted by Hepatocellular Carcinoma of Varying Grades
- 2:50 P.M. Emme Edmondson**
Analysis of MicroRNA Profiled in Extracellular Vesicles Released from Varying Grades of Hepatocellular Carcinoma using cBioPortal
- 3:10 P.M. Travis Hankins**
Defying the Darkness: Countering Cancer with Porphyrins and Lights

- 3:30 P.M. Elijah Begin**
A Unique, Project-based Microcourse to Teach the Fundamental Concepts of Quantum Mechanics
- 3:50 P.M. Kayla Churchwell**
Synthesis of Biomimetic Poly(Acrylic Acid) Fiber Scaffolds for Biomedical Applications
- 4:10 P.M. Jasmine Baughman**
The Creation of a Next-Generation Cancer Treatment Using Photodynamic Therapy
- 4:30 P.M. Luke Hill**
The Impact of Biomimetic Collagen Nanofiber on Coagulation
- 4:50 P.M. Mady Rottinghaus**
Effects of Temperature & pH on BPA Leaching in Oral Hygiene Products Using Fluorescence Spectroscopy

Walker Conference Center B

Cora Saddler, Moderator

- 1:30 P.M. Lauren Dunaway**
Golf: Strategies for Success
- 1:50 P.M. Caleb Harmon**
Generative Art
- 2:10 P.M. Abby Walker**
Wound Healing with Polymers: Developing Biomimetic Polymeric Nanofiber Scaffolds Using PVA
- 2:30 P.M. David Rainwater**
Neural Exosomes as a Potential Modifier of Glioblastoma Migration
- 2:50 P.M. Grace Gallagher**
Identification of Antibiotic-Producing Bacteria that Inhibit Staphylococcus Aureus
- 3:10 P.M. Katie Harmon**
Math Anxiety from All Angles
- 3:30 P.M. Cade Haynie**
The Function of Novel miRNAs as Biomarkers in Breast Cancer Patients and Their Future in Personalized Medicine
- 3:50 P.M. Gracie Jones**
Host Bacterium Influences Bacteriophage Efficacy

- 4:10 P.M. McKenzie Smith**
Synthesizing Biodegradable Polycaprolactone
Nanofiber Wound Dressings for the Restoration
and Regeneration of Periodontal Diseased
Tissues
- 4:30 P.M. Jordan Meyers**
Pharmacy: The Backbone of Healthcare
- 4:50 P.M. Jennifer Wallace**
Loading Engineered s-hFG1 in Polymeric
Nanofiber Mats for Biomedical Applications

Walker Conference Center C
Alex Moore, Moderator

- 1:30 P.M. Sidney Salyers**
Importance of the Social Model of Disability in the Field of Speech/Language Pathology
- 1:50 P.M. Grace Oliver**
The Effect of Music on the Development of Language Skills in Children with Language Delays
- 2:10 P.M. Jenny Johnson**
Advocacy in the Youth Justice System as a Speech-Language Pathologist
- 2:30 P.M. Moriah Manchack**
A Case for Early Intervention Speech Therapy for all Children in the Foster Care System
- 2:50 P.M. Madison Shankle**
Political Language Analysis of Health Crises and Terrorist Attacks
- 3:10 P.M. Addison Bates**
The Effect of a Virtual Fitness Program on Adults with Developmental Disabilities

- 3:30 P.M. Jessica Daniell**
Lost in Translation: The Communication Differences of Men and Women in Dating and Marriage Relationships
- 3:50 P.M. Caity Hatchett**
Alexander Hamilton: Underdog or Overrated?
- 4:10 P.M. Jordan Ford**
Utilizing Technology as a Means of Teacher Professionalism
- 4:30 P.M. Breanna Parker**
Equitable Education in Haiti
- 4:50 P.M. Emily Koonce**
Providing Windows, Mirrors, and Sliding Glass Doors: Incorporating Diverse Short Fiction in the High School English Classroom

Hickingbotham Hall 200

Victoria Martin, Moderator

- 1:30 P.M. Harly Dearing**
Achievers and Believers: Women Overcoming
Obstacles in Business
- 1:50 P.M. Xinwen Zhang**
Women in Business
- 2:10 P.M. Erin McNully**
The American Dream: Embodying
Perseverance
- 2:30 P.M. João Rodrigues**
The Democratization of Finance
through the Banking Revolution and
Financial Technologies in Brazil
- 2:50 P.M. Stephany Quintero**
The Influence of the Quran on Islamic Finance
- 3:10 P.M. Madeline Knight**
Sexual Abuse in the Protestant Church
- 3:30 P.M. Braylon Piant**
Sexual Ethics from a Biblical Perspective
- 3:50 P.M. Kara DeLaune**
Meditation in Buddhism, MBSR, and the Bible:
Examining the Implications for Christian
Counselors

- 4:10 P.M. Rylie Slone**
The Not-So-Great Apostasy?: A Response
to the Mormon Argument of the Great
Apostasy
- 4:30 P.M. Carmen Scott**
But the Spirit Himself Intercedes
- 4:50 P.M. Sara Patterson**
Explaining “A Theological Guidebook to
The Screwtape Letters”

Alumni Room

Isabella Wood, Moderator

- 1:50 P.M. Becca Braly**
Hello, Olive: A Novella
- 2:10 P.M. Mallory Whitson**
Attention Platform 9¾: The Hogwarts Express is Cancelled. Explorations in Cancel Culture, J.K. Rowling, and Beyond
- 2:30 P.M. Scarlett Castleberry**
One Creation: Examining Creation Myths Across Time and Culture
- 2:50 P.M. Zack Tomlinson**
When is God and What is Time?
- 3:10 P.M. Kristi Roshto**
Beauty is in the Eye of Society. What Makes a Woman Beautiful?
- 3:30 P.M. Christina Beger**
What Animals Teach Us

- 3:50 P.M. Laura Beth Warner**
Making the Bible Modern: How I Created a Retelling of The Good Samaritan
- 4:10 P.M. Tray Armstrong**
I Believe a Man Can Fly
- 4:30 P.M. Hannah Perkins**
The Artistic Mother Tongue
- 4:50 P.M. Melodie DuBose**
Desiree: An Original Musical

Jones Performing Arts Center

Lexie Hughes, Moderator

2:30 P.M. Kailee Morehart

The Elements of Onstage Lighting and How it
Could Impact the Emotion of an Audience

Oral Presentations

Berry–Peeples Bible Building 126

Josie Collins, Moderator

- 1:30 P.M. Sam Youmans**
100 Years of the Vibraphone
- 1:50 P.M. Saba Esho**
Sophomore Portfolio
- 2:10 P.M. Tehya Hinkson**
Uwoduhi Adanvto: Beautiful Spirit
- 2:30 P.M. Caroline Derby**
An Analysis of the 1st 100 Days of the Biden
Presidential Term
- 2:50 P.M. Hadden Smead**
The Value of Philosophy
- 3:10 P.M. Madi Rawls**
Empirical and Real-World Importance of
Drum Therapy for Individuals with Intellectual
and Development Disabilities
- 3:30 P.M. Langley Leverett**
Protest Poetry and the Cultural Perspective
- 3:50 P.M. Kaitlyn Bolton**
Empty Seats and Shallow Pockets: The Effects of
the Pandemic on Stadiums and Arenas

Young Auditorium
Allison Martin, Moderator

- 1:30 P.M. Lydia Dean**
Japanese Tea Ceremony
- 1:50 P.M. Briana Penn**
Hindu Wedding Presentations
- 2:30 P.M. Jacob Cates**
El Camino a Casa
- 2:50 P.M. Madelynn Wauters**
Alternative to Modern Wound
Dressings: Synthesizing a Collagen
Analog Via Organic Coupling
Reactions and Electrospinning
- 3:10 P.M. Cloe Johnson**
Obscuridad
- 3:30 P.M. Karla Montiel**
Balazos al Corazón
- 3:50 P.M. Will Guerra, Carlos Solorzano,
and Conner McKellar**
Eddie and Phyllis Ary Fund

Acknowledgements

The Carl Goodson Honors Program appreciates the following people for contributing their time, talent, and resources to Scholars Day 2021:

Dr. Ben Sells
President

Dr. Stan Poole
Vice President for Academic Affairs

Dr. Barbara Pemberton
Director of the Carl Goodson Honors Program

Mike Ayres and June Whitley
OBU Print Shop

Kevin Yearby
Media Services Coordinator

Sodexo

John Hardman and Facilities Management

Brooke Zimny

Tracey Knight

Donnie Copeland

Dr. Sharon K. Hamilton

Dr. Sara E. Hubbard

Tammy Barnes

Stephanie Murry

The Faculty Honors Council

The Alpha Tau Honors Society

Leadership and Volunteers

Notes
