


4-2018

Scholars Day Program of Events 2018

Carl Goodson Honors Program
Ouachita Baptist University

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](#)

Recommended Citation

Carl Goodson Honors Program, "Scholars Day Program of Events 2018" (2018). *Scholars Day*. 37.
https://scholarlycommons.obu.edu/scholars_day/37

This Conference Proceeding is brought to you for free and open access by the Carl Goodson Honors Program at Scholarly Commons @ Ouachita. It has been accepted for inclusion in Scholars Day by an authorized administrator of Scholarly Commons @ Ouachita. For more information, please contact mortensona@obu.edu.

SCHOLARS DAY

2018

PROGRAM OF EVENTS

SCHOLARS DAY

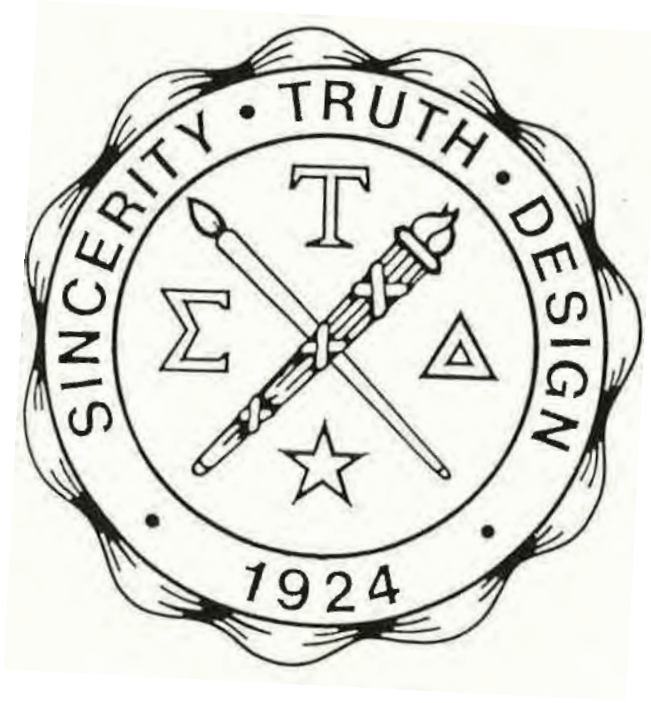
April 25, 2018



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 in
Walker Conference Center or Evans Student Center

Table of Contents

<i>Alpha Chi Inductions</i>	4
<i>Poster Presentations</i>	5
Group A	5
Group B	9
<i>McBeth Recital Hall</i>	13
<i>Theatre Arts Showcase</i>	15
<i>Art Exhibit</i>	17
<i>Honors Theses</i>	19
Walker Conference Center A	19
Walker Conference Center C	21
Young Auditorium	23
Hickingbotham 200	24
McClellan 203	25
<i>Presentations</i>	26
McClellan Hall 205	26
McClellan Hall 206	27
McClellan Hall 207	28
Moses Provine 206	29
<i>Group Presentations</i>	30
<i>Facts about Human Trafficking</i>	31
<i>Acknowledgements</i>	32
<i>Notes</i>	34

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 *Dictyostellium 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

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

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**
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 Morphew, 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

W. Francis 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

3:30 Libby Villegas
While I was Painting the Roses

Theatre Arts Showcase

Verser Theatre

Dr. Scott Holsclaw, Moderator

3:30 Anna Joie Valdez
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 Engebrecht, & 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 Engebrecht, "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*

Other Participants:

1. Hannah Cohen, *Lone Survivor*
2. Lesley Howard, *Controlled Coffee Stains (Rachel)*
3. Lesley Howard, *Lost in Thought*
4. Lesley Howard, *Anguish*
5. Khairen Stafford, *Demented*
6. Khairen Stafford, *XJ-9*
7. Faith Twyford, *Didot*
8. Faith Twyford, *Wasteland*
9. Bethany Lenards, *Mr. Brightside*
10. Chad Satchell, *Baskerville*
11. Sara Rothwell, *City of Stars Poster*
12. Bethany Lagen, *Didot*
13. Bethany Lagen, *The Rose*
14. Kelsey Chanler, *Drew*
15. Kelsey Chanler, *Ranger*
16. Allisha Bates, *Amethyst Rising*
17. Joy Estes, *Multiplicity*
18. Joy Estes, *Cryptic tree Filters*
19. Joy Estes, *Grandeur: Dawn*
20. Joy Estes, *Grandeur: Day*
21. Joy Estes, *Rusty Water*
22. Tyson Hume, *Elusive Fox*
23. Sidney Kelley, *Who Am Eye*
24. Zhanxiu Lu, *Hope*
25. Carrie Hill, *The Room's Aftermath*
26. Whitney Jetton, *Nesting Dolls (Series of 4)*
27. Abby Leal, *19*
28. Kayla Hill, *The Riveter's Roses*
29. Mallory Morris, *Bees on Flowers Painting*

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 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**
The Responsibility of New Media in Stemming the Fake News Tidal Wave
- 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 Alicia Hamilton**
- 4:50 Kacy Spears**

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 Alison
- 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 Furrries
- 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

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 Alexander 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

Adam Graves, Katie Kemp, Tiffany Lee

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

Facts about 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

Sundan – Britney 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:

Dr. Ben Sells
President

Mr. Phil Hardin
Assistant to the President for Administration

Dr. Stan Poole
Vice President for Academic Affairs

Dr. Barbara Pemberton
Director of the Carl Goodson Honors Program

Mike Ayres & June Whitley
OBU Print Shop

Shawn Pagel
Media Librarian

Sodexo

John Hardman and OBU Maintenance

Lori Motl and Admissions Counselors

Brooke Zimny

Tammy Barnes

Dr. Amy Sonheim

Dr. Margaret Garrett

The Faculty Honors Council

The Alpha Tau Honors Society
Leadership and Volunteers

Notes
