Alpha Chi
2019 National Convention Rocks!
Cleveland
Dr. Raymond P. Onders

Dr. Raymond P. Onders, our speaker at the Saturday evening Gala, is Chief of General Surgery at University Hospitals Cleveland Medical Center and Professor of Surgery at Case Western Reserve University School of Medicine. Over the last 20 years, he has focused his research efforts on ways to help people with spinal cord injuries and other patients breathe naturally using their own diaphragm. Diaphragm pacing, electrical stimulation of the diaphragm muscle, was a new technology aimed at either replacing or delaying the need for mechanical ventilation or maintaining and improving normal breathing. One of his first research subjects was the late Christopher Reeve (Superman). He is honored with the Walter and Margaret Remen Chair of Surgical Innovation and is active in many surgical organizations.

He earned his M.D. at Northeastern Ohio Universities College of Medicine in 1988, where he received the Distinguished Alumni Award. Dr. Onders joined the University Hospitals staff in 1997, following his service in the United States Air Force. From 2015 to 2017, he was interim Chairman Department of Surgery and Surgeon-in-Chief at University Hospitals Case Medical Center and Case Western Reserve University School of Medicine. In his present role he still manages general surgical care at 16 hospitals in the University Hospitals System across northern Ohio. Among his multiple other honors, include the Maurice Saltzman Award presented on behalf of the Mount Sinai Health Care Foundation, Crain’s Cleveland Business 2008 Health Care Heroes for Advancements in Health, the Rescuer of Humanity Award presented by Values in Action Foundation, and the ALS Association’s Bob Feller Legacy Award in 2013 for his work with Lou Gehrig’s disease.

Dr. U. Shivraj Sohur

Scheduled to speak on Thursday evening at the convention is Dr. Shivraj Sohur. Dr. Sohur grew up in Espérance Trébuchet, on the Indian Ocean island of Mauritius. After completing his secondary schooling at Royal College of Port-Louis, he received his bachelor’s in chemistry and biology in 1992 from Angelo State University, San Angelo, Texas, where he was inducted into Alpha Chi and graduated summa cum laude. Sohur completed his M.D. and Ph.D. degrees at Vanderbilt University in Nashville, Tennessee, on a full scholarship. He now serves as a faculty member at Harvard Medical School and is an attending neurologist in the Division of Movement Disorders at Massachusetts General Hospital (MGH).

In April 2018, he transitioned to Alkermes Inc. Research and Development, where he is helping conduct clinical trials in neuropsychiatric disorders. He is also the founding president of the 5-2035 Global Foundation for Community Health whose mission is to decrease the high rate of type II diabetes in Mauritius to only 5 percent prevalence by the year 2035. This year, thanks to recognition by his Alpha Chi chapter at Angelo State University, he is being presented with Alpha Chi’s Distinguished Alumni Award.
April 4-6, 2019
Hilton Cleveland Downtown

Program of Events

Alpha Chi National College Honor Society
Dedicated to Making Scholarship Effective for Good
AlphaChiHonor.org
National Council of Alpha Chi

2015-19 At-Large Faculty Members
June Hobbs, Gardner-Webb University (III) ................................................................. 2015-19
Owolabi Tiamiyu, Harris-Stowe State University (IV) ......................................................... 2017-19

2017-21 At-Large Faculty Members
Bonita Cade, Roger Williams University (VI) ................................................................. 2013-17, 2017-21
David Jones, Westminster College, Missouri (IV) ............................................................ 2009-13, 2013-17, 2017-21
Agashi Nwogbaga, Wesley College (VI) ............................................................................... 2017-21
Kathi Vosevich, Shorter University (III) ............................................................................. 2017-21

Regional Secretary-Treasurers
Region I Karl Havlak, Angelo State University ................................................................. 2010-14, 2014-18, 2018-22
Region II Suzanne Pundt, University of Texas at Tyler ..................................................... 2006-12, 2012-16, 2016-20
Region III Robert Mahan, Milligan College ........................................................................ 2012-16, 2016-20
Region IV Teddi Deka, Missouri Western State University .................................................. 2016-20
Region V Craig Rogers, Campbellsville University ............................................................... 2014-18, 2018-22
Region VI Kenneth LaSota, Robert Morris University .......................................................... 2012-16, 2016-20
Region VII Jacqueline Kegley, California State University, Bakersfield ............................. 2017-20

Regional Student-Representatives, 2017-19
Region I Ana Yanes-Garcia, Texas State University
Region III Kayla Zuniga, Shorter University
Region V Elliot Collins, West Liberty University
Region VII Zack Merhavy, Grand Canyon University

Regional Student-Representatives, 2018-20
Region II Addison Schwamb, Oklahoma Christian University
Region IV Crystal Padilla, Lindenwood University
Region VI Ande Greco, St. Vincent College

National Council Executive Committee
David Jones, Westminster College, President ........................................................................ 2011-15, 2015-19
Kathi Vosevich, Shorter University, Vice President ........................................................... 2017-19
Lori Mills, Milligan College, Secretary .................................................................................. 2011-15, 2015-19
Lara Noah, Executive Director (ex-officio) ........................................................................... start date 9-1-19

Regional Presidents & Vice Presidents

Region I President: Paula Williamson, Texas State University .............................................. 2018-20
Vice President: Rebekah Crowe, Wayland Baptist University ............................................. 2018-20
Region II President: Carol Strong, University of Arkansas at Monticello .............................. 2018-20
Vice President: Tom Miles, University of North Texas ......................................................... 2018-20
Region III President: Kathi Vosevich, Shorter University .................................................... 2018-20
Vice President: Tony Jones, Milligan College ...................................................................... 2018-20
Region IV President: Michael Collins, William Penn University ........................................ 2018-20
Vice President: Labi Tiamiyu, Harris Stowe State University ............................................ 2018-20
Region V President: Ruth Nalliah, Huntington University .................................................. 2018-20
Vice President: Jason Parks, Anderson University ............................................................. 2018-20
Region VI President: Victoria Neagoe, Goldey-Beacom College ........................................ 2018-20
Vice President: Michael Rosenfeld, Pace University ......................................................... 2018-20
Region VII President: Marshall Johnston, Fresno Pacific University ................................... 2018-20
Vice President: Breanna Naegeli, Grand Canyon University ............................................... 2018-20

Alpha Chi is proud to be certified by the Association of College Honor Societies (ACHS). Founded in 1925, ACHS is the nation’s only certifying agency for college and university honor societies. ACHS is a visibly cohesive community of national and international honor societies, individually and collaboratively exhibiting excellence in scholarship, service, programs, and governance.
Student Convention Presentation Prize Donors

The following prizes have been endowed by generous donors so that $100 convention presentation prizes may be awarded annually when there are at least three presentations in that field. If the field below is not in bold type, there were not enough presenters to award it this year. However, those presenters have still been judged for prizes in similar or combined fields.

- Walden S. Freeman Prize in *American History*
- Ellen Millsaps Prize in *American Literature*
- Avery Grenfell Church Prize in *Anthropology and Sociology*
- Alexander A. Bendazzi and Strayer University Prize in *Art, Music, and Dance Papers*
- Robert Blake Prize in *British Literature*
- Gayle Webb White Prize in *Business Administration*
- Joseph E. and Bessie Mae Pryor Prize in *Chemistry*
- Brown's Graduation Supplies Prize in *Communication*
- Floyd Tesmer and Strayer University Prize in *Computer Science and Engineering*
- Phillip A. Holcomb Prize in Contemporary Bioethical Issues
- Thelma Hall Prize in Creative Writing
- Ann Kneavel Prize in *Economics*
- Patricia A. Williams Prize in *Education*
- Milton L. and Avery G. Church Prize in *Environmental Science*
- Jeanette Wieser Prize in *Exercise Science and Nutrition*
- Kenneth A. LaSota Prize in Geology & Earth Sciences
- Kathryn Hoyle Bradley Prize in *Health Sciences*
- Joseph E. and Bessie Mae Pryor Pryor Prize in *Mathematics*
- Bonnie Revelle Prize in *Molecular and Cellular Biology*
- Blake and Trish Janutolo Prize in *Organismal and Ecological Biology*
- Ann C. and Avery G. Church Prize in Original Poetry
- Floyd and Rosana Tesmer and D.C. Gamma Prize in *Original Visual Art*
- Johnny and Frances Williams Prize in Performing Arts
- Clark Youngblood Prize in *Philosophy and World Religions*
- Jim Kirby Prize in Physics and Astronomy
- Margaret A. FitzGerald Prize in *Political Science*
- Mary Waterstreet Prize in *Psychology*
- Michael Flachmann Prize in Shakespeare
- Patricia Graham Prize in *World History*
- Bill Short Prize in *World Literature*

Dennis M. Organ *Graduate Student or Alumni Member Prize*

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**Nationwide Sponsors $7,500 in Student Collaborative Project Prizes**

Nationwide Insurance, one of Alpha Chi’s affinity partners, recognizes the importance of groups that bring people together to celebrate common interests and academic achievement and is proud to sponsor the 2019 student collaborative research project competition this year on *Lines of Identity, Polarizing Perspectives, and Civil Discourse*. The team winning first place this week will be awarded $5,000, and the team placing second will receive $2,500.
Convention Etiquette Reminders

To enhance the Alpha Ch convention experience for all involved, we encourage all attendees to observe the following rules of professional meeting etiquette.

Courteous Audience Members:

To make the best use of our time together, a good deal of convention programming happens during meal events. Even so, we believe quiet enough dining room noises are possible so that people at the podium can be heard. Feel free to adjust your chair so that you can see the keynote speakers and give them your undivided attention. Each keynote will end with a Q&A period, if time allows.

*Please silence all electronic devices.*

All Student Presentation Attendees:

- Please refrain from interrupting a student presentation already in progress. Enter and leave a presentation room only during the 3-minute break between presentations. You may quietly leave at that time to get to a presentation in another room.
- Even though the doors should be closed during each presentation, while waiting outside a room for the next presentation or walking past a session in progress, please be as courteous and quiet as possible.
- Be a patient and pleasant audience member. If given the chance to offer feedback or ask a question, do so in a positive, respectful, and constructive manner.

Student Presenters:

- Please wear business professional attire.
- Regardless of your order in the program, arrive before the start of your section and identify yourself to the Section Moderator.
- As a courtesy to your fellow presenters, we ask you to remain present for your entire section.
- You must stay within the time limit for your presentation, or the moderator will stop you. Your presentation length is 10 minutes followed by a mandatory 2 minutes of audience Q&A (12 minutes total).
- Be prepared in case of technical problems with equipment; have a backup plan that will allow you to proceed if technology fails.

Special Thanks to Our 2019 Chapter Sponsor Judges and Moderators!

2019 Alpha Chi National Convention
Schedule of Events

Thursday, April 4

3:00-5:30 p.m.  AX Central: Chapter Delegation Check-in ......................................................... 5th Level Lakeside Foyer
A sponsor delegate (or voting student delegate if sponsor isn’t attending) from each college should check in to receive
the packet containing all items for each individual delegate. There will also be tables for the national service project,
student presenter questions, an information table with Aletheia editor, Dr. Tim Lindblom, and the AX merch and regalia
store with Mr. Tim Brown.

3:00-5:30 p.m.  Poster set-up .............................................................................................................................. Superior A

5:45-7:20 p.m.  #AXRocks Cleveland Opening Banquet ................................................................................... Superior D
Welcome—Dr. Kathi Vosevich, National Council Vice President
Introduction of Distinguished Alumnus—Dr. Karl Haviak, Angelo State University
Address—Dr. U. Shivraj Sohur, 2019 Alpha Chi Distinguished Alumnus, “Innovation Lies at the Intersection in Public
Health: The 5-2035 Vision to Decrease Chronic Non-Communicable Diseases by Community Empowerment”
Presentation of Distinguished Alumni Award—Dr. David Jones, National Council President
Announcements—Lara Q. Noah, Executive Director

7:30-8:15 p.m.  Moderators & Judges Meeting .................................................................................................. Superior B
Moderator and judge instructions and packets will be distributed here. This meeting is essential to making sure each
session runs smoothly. Poster judges will have time to get to their assignments by 8:30 p.m.

7:30-10:00 p.m.  2019 Research & Creativity Forum, Student Presentations Session I ................................. Superior A

7:30 to 8:30 p.m.—Viewing Period. With an audience of primarily student delegates, presenters and non-presenters
are free to grab a coffee and peruse all of the posters. Poster presenters will need to take their places at their posters by
no later than 8:30.

8:30 to 9:45 p.m.—Judging Period. With a bell chimed every 10 minutes to signal the start of the next judged
presentation, presenters should remain at their posters throughout the judging period. However, once your presentation
has been judged, you may take a brief break if needed. The times posted below indicate when the judging team should
arrive. Each poster presenter will have 5 minutes to speak with the judges. The Collaborative Research Project teams
will also display their posters, though this is not when those presentations will be judged.

Anthropology and Sociology

“Appearance and the Assumption of Personal Characteristics through the Lens of Gender”
Korrinne Bethel, North Carolina Kappa, University of North Carolina at Pembroke, Region III ......................... 8:30

“Nontherapeutic Infant Male Circumcision in the United States: Cultural Norm as Medical Practice”
Jillian Bodhi Grantham, Missouri Lambda, Missouri Western State University, Region IV ................................. 8:40

“Exploration into Childhood Risk Factors Associated with the Chronic Conditions in Adulthood”
Jacky Reny, Pennsylvania Kappa, University of the Sciences, Region VI ......................................................... 8:50

Art, Music, and Dance Research

“The Echo of Eternity: The Serenity, Theory, and Evolution of the Gregorian Chant”
Michael Masley Hannett, Massachusetts Beta, Massachusetts College of Liberal Arts, Region VI ........................ 8:30

Chemistry

“Nyssa sylvatica (Black Gum) Bark: Extraction & Bioactivity”
Kyle E. Albert, Virginia Iota, Shenandoah University, Region III ................................................................. 8:30

“Synthesis of Boronic Acid, Sulfonyl Fluoride and Phosphonate Oxaborole Analogs
of Fosmidomycin”
Maria Bouda, Pennsylvania Kappa, University of the Sciences, Region VI ..................................................... 8:40

“Comparative Analysis of Iron-Determining Assays”
Evan Walker Carr, Indiana Alpha, Anderson University, Region V ................................................................. 8:50

“Proliferative Effects of Beer and Hops Samples and Its Anti-Cancer Characteristics”
Navdeep Kaur, California Iota, California State University, Bakersfield, Region VII ........................................ 9:00

“The Potential Intrinsic Anti-Cancer Effects of Hops in Craft Beer”
Henna Singh, California Iota, California State University, Bakersfield, Region VII ....................................... 9:10
Computer Science and Engineering

“The Influence of the Physical Microenvironment and Soluble Indian Hedgehog on the Differentiation of Human Mesenchymal Stem Cells (hMSCs)”
Ande XiaoJie Greco, Pennsylvania Nu, Saint Vincent College, Region VI ................................................................. 8:30

“Variant Sampling in vitro with a Scheduling Twist”
Alex Morehead, Missouri Lambda, Missouri Western State University, Region IV ....................................................... 8:40

“Privacy Issues in the Internet of Things (IoT) Landscape”
Pradip Poudel, Oklahoma Gamma, East Central University, Region II ................................................................. 8:50

Contemporary Bioethical Issues

“Stem Cell Research: Are There Any Benefits?”
Breanna Hancock, Missouri Lambda, Missouri Western State University, Region IV .................................................... 8:30

Education (Pedagogy)

“The Humor of Effective Pedagogy”
Austin Kenneth Archey, California Beta, California Baptist University, Region VII ......................................................... 8:30

“First-year Students, Pen Pals, and Educational Transitions: A Service-Learning Project”
Hannah Middleton, North Carolina Kappa, University of North Carolina at Pembroke, Region III ................................. 8:40

Education (Research and Scholarship)

Ryley Cox, Texas Beta, University of Mary Hardin-Baylor, Region I ................................................................. 8:30

“Where Did My GPA Go?”
Pawonee Khadka, Missouri Pi, Lindenwood University, Region IV ................................................................. 8:40

Environmental Science

“Implementation of EPS-enabled Lattice Boltzmann Code for Soil Water Modeling in C++”
Nickmoon L. Mware, South Carolina Epsilon, Benedict College, Region III ............................................................... 8:30

“Effects of Water Quality on Unique Darter Species of Central Missouri”
Kimberley Simphiwe Ndlovu, Missouri Sigma, Missouri Valley College, Region IV ..................................................... 8:40

Exercise Science and Nutrition

“Effect of Probiotics on Glucose and Galactose Metabolism in Cultured Lactose-Free Milk Products”
Joshua T. Taylor, Tennessee Kappa, Lipscomb University, Region III ................................................................. 8:30

Health Sciences

“Health Effects of Arsenic Exposure from Drinking Water”
Emmalisa Ting Belfiore, New Hampshire Zeta, Franklin Pierce University, Region VI .................................................... 8:30

“Mean Corpuscular Volume (MCV) and Mean Corpuscular Hemoglobin (MCH) Determinations in Newborns with Beta Thalassemia”
Kaitlin Lindsey Bierman, Nebraska Alpha, Hastings College, Region IV ................................................................. 8:30

“Determining the Effectiveness of Honey, Lemon Juice, and Aloe Vera on Preventing Growth of E. Coli and S. Epidermis Bacterium”
Kassi Gilbert, Kentucky Delta, Brescia University, Region V ................................................................. 8:50

“DNA Extraction and Analysis of Nicotiana tabacum cv. Gold Dollar”
Justice Godwin, North Carolina Kappa, University of North Carolina at Pembroke, Region III ....................................... 9:00

“Utility of Neutrophil-to-Lymphocyte Ratio as a Predictor for Low Bone Density”
Sophia Elizabeth Pankratz, Nebraska Alpha, Hastings College, Region IV ................................................................. 9:10

“Characterizing Mortality Across Four Utah Counties”
Amy Richards, Utah Alpha, Westminster College of Salt Lake City, Region VII .......................................................... 9:20

“Are Multimedia Tools the Solution for Better Informed Consent?”
Leah Varney, New Hampshire Zeta, Franklin Pierce University, Region VI ................................................................. 9:30
Mathematics
“Counting Paths and Walks in Graphs”
Devin Mattoon, Missouri Lambda, Missouri Western State University, Region IV .............................................. 8:30

Molecular and Cellular Biology
“Assessment of the 16S rRNA Bacteroides Genetic Markers to Identify Recreational Water Contamination”
Amanda Burns, Arizona Alpha, Grand Canyon University, Region VII ................................................................. 8:30
“Components of Cinnamomum verum (Cinnamon) and Salvia officinalis (Sage) Cytotoxic to Murine 4T1 Breast Cancer Cells”
Makayla Nicholson, Texas Alpha Eta, Wayland Baptist University, Region I ...................................................... 8:40

Original Visual Art
“Iowa Landscapes”
Savanna Cordle, Iowa Iota, Waldorf University, Region IV ................................................................. 8:30
“Captured Moments”
Rolando Dupuy, Missouri Pi, Lindenwood University, Region IV ................................................................. 8:40
“The Delightful Life of an Art Major Senior”
Indigo Nicole Gaydusek, Missouri Lambda, Missouri Western State University, Region IV 8:50
“National Parks Service Campaign”
Kathryn Goldsmith, California Beta, California Baptist University, Region VII ............................................. 9:00
“In Shades of Grey”
Diana Humble, Iowa Iota, Waldorf University, Region IV ................................................................. 9:10
“Let’s Dream A Little”
Eloise Riche, Missouri Sigma, Missouri Valley College, Region IV ................................................................. 9:20

Organismal and Ecological Biology
“Enrichment and Detection of Aerobic Anoxygenic Photoautotrophic Bacteria Surrounding Catalina Island”
Kent Pham, Pennsylvania Kappa, University of the Sciences, Region VI .......................................................... 8:30
“Toxicity of an Organophosphate Pesticide to Three Heterotroph Species in Costa Rican Lowland Wet Forest Streams”
Rebecca Prest, Missouri Lambda, Missouri Western State University, Region IV ............................................. 8:40

Political Science
“The Relation Between Democratization and Foreign Direct Investment in the States of Central America”
Michaela McCurdy, Indiana Alpha, Anderson University, Region V ................................................................. 8:30

Psychology
“Women in Law Enforcement: An Analysis of American Female Police Officer Representation and Experienced Barriers over the Past Twenty Years”
Amanda Anzovino, New York Iota, Marymount Manhattan College, Region VI .................................................. 8:30
“Hollywood Therapy: The Portrayal of Mental Health Professionals in American Films from 2010 to 2017”
Timothy Crowell, North Carolina Xi, Greensboro College, Region III ............................................................. 8:40
“The Influence of Space Constraints on Implicit Egotism”
Sophie Hirsch, North Carolina Omicron, Catawba College, Region III ............................................................. 8:50

2019 Collaborative Research Projects
Posters created by the five 2019 Collaborative Research Project Competition teams this year will be on display, and the teams are welcome to make themselves available to take questions from viewers. However, this is not necessarily when these posters will be judged. The full presentations themselves will be given and judged on Friday morning in Section 17.
Friday, April 5

6:30-7:15 a.m.  **Sunrise Yoga** ................................................................. Superior B Foyer
A beginner-level class led by Dr. Graziana Ramsden, Massachusetts College of Liberal Arts (BYO gear)

8 a.m.-1:00 p.m.  **AX Central** ............................................................... 5th Level Lakeside Foyer

8:00-9:00 a.m.  **Croissant & Conversation, Regional Meetings**
All attendees may grab a light breakfast and gather by region (as noted on your name badge). Information important to everyone is shared in regional meetings. Chapters attending will receive the regional convention grant forms used to offset their travel costs. Regions I, III, V, and VII will elect new student representatives who will join the Council at its meeting tonight.

Region I:  President Paula Williamson, presiding ........................................... Center Street A
Region II: President Carol Strong, presiding ....................................................... Center Street B
Region III: President Kathi Vosevich, presiding .................................................. Center Street C
Region IV: President Michael Collins, presiding .................................................. Center Street D
Region V: President Ruth Nalliah, presiding ........................................................ Veterans A
Region VI: President Victoria Neagoe, presiding .................................................. Veterans B
Region VII: President Marshall Johnston, presiding .......................................... Veterans C

9:15-10:15 a.m.  **All-Delegate General Session** ........................................... Superior C
During this session the newly-elected at-large faculty members and regional student representatives to the National Council will be recognized. If a run-off is needed, it will happen in this session. Please have your chapter’s run-off ballots handy. We will also recognize sponsors reaching celebratory milestones of service.

10:30-11:45 a.m.  **Student Presentations Session II** (details on pp. 11-13)

Section 17: Collaborative Research Competition Presentations ......................... Superior B
Section 18: American History ............................................................................ Center Street B
Section 19: Art/Music/Dance Research ............................................................... Veterans A
Section 20: Chemistry ....................................................................................... Hope Ballroom A
Section 21: Communication ............................................................................. Veterans B
Section 22: Education (Research/Scholarship) .................................................... Veterans C
Section 23: Health Sciences ............................................................................ Hope Ballroom B
Section 24: Political Science ........................................................................... Center Street D
Section 25: Psychology I ................................................................................ Veterans D
Section 26: Philosophy & World Religions ......................................................... Center Street C
Section 27: World Literature ........................................................................... Center Street A

11:45 a.m.  **Enjoy Cleveland for lunch and sightseeing!**

12:00 p.m.  **Cleveland: City as Text™ Exploration** ........................................ Hope Ballroom C
(Optional Activity) Having changed into your city exploration clothes, meet in Hope Ballroom C to break up into groups and receive maps and instructions.

4:00-5:00 p.m.  **City as Text™ Discussion** .................................................. Hope Ballroom C
(Optional Activity) Reconvene at the hotel to discuss your findings with others who went on your exploration, as well as those who went to the other sites.

10:00-11:30 p.m.  **Open Mic Night** ................................................................. Superior D
Hosted this year by the Convention Committee and emceed by Region VI Student Representative and multi-year performer, Ande Greco, come see your fellow delegates hit the stage with musical numbers, dancing, poetry, story-telling, or other hidden talents! It’s a great way to end the day in a relaxed atmosphere. Even if you didn’t sign up in advance to perform or attend, please join in for great time with plenty of snacks to be shared!
Saturday, April 6

6:30-7:15 a.m.  Sunrise Yoga ................................................................................................................. Superior B Foyer
   A beginner-level class led by Dr. Graziana Ramsden, Massachusetts College of Liberal Arts (BYO gear)

7:30 a.m.-8 p.m.  AX Central ............................................................................................................. 5th Level Lakeside Foyer

7:45-8:45 a.m.  Regional Breakfast Bites
   All attendees may grab a light breakfast and gather again by region. This can be a great time for academic and social networking!
   Region I: President Paula Williamson, presiding ................................................................. Center Street A
   Region II: President Carol Strong, presiding ................................................................. Center Street B
   Region III: President Kathi Vosevich, presiding ................................................................. Center Street C
   Region IV: President Michael Collins, presiding ................................................................. Center Street D
   Region V: President Ruth Nalliah, presiding ................................................................. Veterans A
   Region VI: President Victoria Neagoe, presiding ................................................................. Veterans B
   Region VII: President Marshall Johnston, presiding ........................................................... Veterans C

9:00-10:00 a.m.  Student Presentations Session III (details on pp. 13-15)
   Section 28: American History ................................................................................................. Veterans A
   Section 29: Anthropology/Sociology ...................................................................................... Veterans B
   Section 30: Business Administration .................................................................................. Center Street C
   Section 31: Computer Science .............................................................................................. Hope Ballroom A
   Section 32: Creative Writing and Original Visual Art .......................................................... Center Street B
   Section 33: Education (Research/Scholarship) .................................................................. Veterans C
   Section 34: Health Sciences ................................................................................................. Hope Ballroom B
   Section 35: Performing Arts ................................................................................................. Superior D
   Section 36: Political Science ................................................................................................. Center Street D
   Section 37: Psychology .......................................................................................................... Veterans D
   Section 38: World Literature ................................................................................................. Center Street A

10:15-11:15 a.m.  Chapter-Strengthening Sessions
   Each attendee will choose one of the chapter-led sessions listed below. Chapters with multiple attendees may divide up to participate in multiple sessions. We hope you will take what you learn back to your campus to invigorate and better serve your current members and raise your chapter's visibility.

Achieving Social Justice through Alpha Chi ................................................................. Veterans A
   Led by East Central University. This presentation will demonstrate how your Alpha Chi chapter can work for social justice through your chapter policies, service projects, and scholarly research.

Alpha Chi for Gen Z ............................................................................................................. Veterans B
   Led by Gardner-Webb University. After a brief presentation based on research about the new demographic of students born in 1996 or after, this workshop for sponsors and interested students will open the floor for brainstorming about best practices to engage students who, for example, may be much closer to their parents than students in earlier cohorts and who are likely to spend at least an hour a day texting with their friends.

Gold Stars and Gold Seals: Getting AX Members Involved ................................................ Veterans C
   Led by Carson-Newman University. Do you want to boost member participation in your local chapter? Use psychology to your advantage! Join Tennessee Delta as we share our tips and tricks. We’ll learn how to coax the shy out of their shells, how to get the overworked involved in actual fun, and how to spread Alpha Chi enthusiasm across campus!

Hosting an Engaging Campus-wide Event ......................................................................... Veterans D
   Led by Texas State University. Hosting an engaging campus-wide event is a great way to increase awareness of your Alpha Chi chapter and recruit new members. Join our brain-storming session to discuss best practices in selecting a topic of wide appeal, determining the best event format, planning logistics, raising funds, promoting the event todraw an inclusive and diverse audience, and evaluating to help plan even better events in the future.

Leading Your Chapter ........................................................................................................ Center Street A
   Led by Grand Canyon University. Come ready to learn and be equipped on how to refine your leadership skills into an effective approach to increase engagement and overall chapter growth. Take away best practices and learn how to start implementing leadership on your campus.

Publication Opportunities for Students and Editorial Roles for Faculty ............................................................................................................ Center Street B
   Led by Aletheia Editors Dr. Tim Lindblom and Dr. Kathi Vosevich. For undergrads, getting published in Aletheia shows that your research has been reviewed for quality and that you are making a significant contribution to your field. That’s a big accomplishment! For faculty, being a Manuscript Editor can help students achieve publication by managing the blind review process. It’s a great way to mentor a student and a significant service to add to your CV. Join Aletheia's editors as they explain these exciting opportunities. We’ll divide the room into the two groups so that everyone gets the information they need.
The convention will culminate with a dinner banquet that will include an address by 2019 Keynote Speaker Dr. Raymond

Rowdy Leads the Runners ................................................................. Center Street C
Led by California State University, Bakersfield. At CSUB we are all about connectivity and being able to work closely with faculty and administrators. This allows us to easily share ideas and put thoughts into action. In this presentation, we will discuss how chapter is able to work with administrators and faculty club advisors to host events, volunteer opportunities, and expand the visibility of Alpha Chi on campus. Please join us as we share how Rowdy leads the Runners!

Signature, Sealed, and Delivering: Creating a Club Signature Event.................. Center Street D
Led by Ouachita Baptist University. Each year the Arkansas Beta Chapter hosts an all-campus Book Club. Students, faculty, and staff from around the university read a common book, then gather at the home of OBU’s president to engage with the material. Using this as a springboard, the chapter invites clubs to learn more about creating, marketing, and sustaining a signature event.

Turbo Tasks ............................................................................................ Hope Ballroom A
Led by Chowan University. Want to effectively target membership while increasing read rates? Need a cost analysis for your chapter's budget? Join the NC Phi Chapter as it reviews three strategies for easing administrative duties. You will learn how to create an email merge, how to schedule routine emails, and how to create an Excel budget and cost analysis. Software and add-ons to be covered: Gmail Scheduler, Yet Another Mail Merge, and Microsoft Excel.

Winning Over the Administration to Build Support for your Chapter .................. Hope Ballroom B
Led by Hawai'i Pacific University and Huntington University. This interactive session will help participants learn how to connect with administrators on a micro and macro level. Learn how to raise the profile of your chapter by increasing your understanding of strategic plans, accreditation, university structure, marketing, and mission fit. Build support for your chapter by learning how to build helpful relationships with administrators and their support personnel by understanding their work flow and learning to speak their language.

11:15-1:00 p.m.  Lunch on Your Own
There are many great restaurants nearby, but having a plan will save you time, especially if you're in a group.

1:15-2:15 p.m.  Student Presentations Session IV (details on pp. 15-16)

2:30-3:30 p.m.  Student Presentations Session V (details on pp. 17-18)

3:30-5:00 p.m.  Break
Enjoy! Use this break to relax or go for a brief walk to explore, then return to get dressed for the closing gala.

5:00-8:00 p.m.  2019 Alpha Chi Hall of Fame Gala ....................................................... Superior D
The convention will culminate with a dinner banquet that will include an address by 2019 Keynote Speaker Dr. Raymond Oonders, with an introduction by National Council Member Dr. Teddi Deka. After the Q&A period and a brief intermission, we’ll begin with the awarding of national scholarship recipients, the endowed student presentation prizes, the collaborative research competition winners, and the President’s Cup for Outstanding Chapter of the Year. (Award recipients should be ready for photographs during the presentation or immediately following the gala.)
Friday, Session II: Student Presentations (10:30 a.m. to 11:45 a.m.)

Section 17 Collaborative Research Presentations ........................................................................................................................................ Superior B
10:30 “A Polarized Society Throughout History”
KY Delta, Brescia University: Annie Emert, Ryan Oates, Benjamin Sammett, and Caleb Tisher
10:45 “What Causes Hate and Why Do People Act on It?”
OK Gamma, East Central University: Carly Heitland, Pradip Poudel, and Tyler Whitney
11:00 “Gender as a Polarizing Issue in the Workplace”
NC Zeta, Gardner-Webb University: Callista Eckert, Taylor Hildebrand, Hope Miller, Celsea Reeder, and Kristen Wong
11:15 “Increased Exposure to Biased Media Suggests Polarized Political Perspectives”
AR Iota, Lyon College: Tanner Harris, Matthew Kirkpatrick, Cassidy Mitchell, Haley Reed, and Jordan Trant
11:30 “Art, Age, and Apartheid: Exploring Generational Perspectives as Depicted in South African Arts”
AR Beta, Ouachita Baptist University: Jessica Cook-Snelgrove, Tucker Douglass, Lesley Howard, Lauren Lovelady, and Wesley Oliver

Section 18 American History ................................................................................................................................................ Center Street B
10:30 “Trading Shells: Surveying a Medical Professional and Whaleman”
Evan M. Banks, Missouri Lambda, Missouri Western State University, Region IV
10:45 “The Effectiveness of Nonprofits: Comparing the 1950s to Today”
Kayleigh K. Barnes, Missouri Sigma, Missouri Valley College, Region IV
11:00 “Treating with Foreign Princes: A Study of Space within Democratic Practice”
Alana Bates, Indiana Beta, Huntington University, Region V
11:15 “Marginalized: How the Campaign Against the Equal Rights Amendment Derailed Feminist Progress”
Nesreen Iskandrani, Iowa Beta, William Penn University, Region IV
11:30 “George Washington on the Founding of the United States”
Trent Ojace Yentes, Indiana Beta, Huntington University, Region V

Section 19 Art, Music, and Dance Research ........................................................................................................................... Veterans A
10:30 “Disputing the Postmodern Label: A Study of Two Passions”
Sean Bohnet, Texas Alpha Eta, Wayland Baptist University, Region I
10:45 “Trainspotting and the Portrayal of Scottish Identity, Poverty and the 1980s Heroin Epidemic on Screen”
Adelaide Elliott, North Carolina Xi, Greensboro College, Region III
11:00 “Hildegard von Bingen: Transcending a Woman’s Status in Medieval Europe”
Sydney Hardin, North Carolina Zeta, Gardner-Webb University, Region III
11:15 “Sound Effects: Harmony Between Music and Health”
Rachel Langley, Tennessee Delta, Carson-Newman University, Region III
11:30 “The Nielsen Flute Concerto”
Stephanie Rempel, California Beta, California Baptist University, Region VII

Section 20 Chemistry ......................................................................................................................................................... Hope Ballroom A
10:30 “Synthesis of Potential Therapeutic Agents for Schizophrenia”
Rebekah A. Duke, Tennessee Kappa, Lipscomb University, Region III
10:45 “Sustainable Production of Bioplastics and Biofuel”
Catherine Jalomo, California Zeta, Fresno Pacific University, Region VII
11:00 “Cyclopropane Synthesis”
Robert Lawrence King, Tennessee Kappa, Lipscomb University, Region III
11:15 “Inhibiting the Etching Rate of Alumina and Copper”
John Raymon Pruden, Arkansas Iota, Lyon College, Region II
11:30 “Synthesis of Polynuclear Osmium Clusters from Dodecacarbonyltriosmium(0) and Carboxylic acids”
Diego Fernando Zometa Paniagua, Texas Psi, Abilene Christian University, Region I

Section 21 Communication............................................................................................................................................... Veterans B
10:30 “Ad(d) It Up: A Composition of Advertising on Newspaper Webpages in Australia, Europe, Canada, and the United States”
Rachel Marie Bertram, Missouri Lambda, Missouri Western State University, Region IV
10:45 “A Space of Deviance that Refuses to Other: How Reading Physical Space Helps Us Understand Our Culture of Othering”
Loren Friesen, California Zeta, Fresno Pacific University, Region VII
11:00 “Observations on the Transition Period of Consumption Behaviors, Lifestyles, and Values in Young Vietnamese and Discussion on the Role of Advertising in this Phenomenon”
Khanh Thi Van Nguyen, Texas Alpha Iota, Angelo State University, Region I

11:15 “Kill Me, Too: Collective Catharsis in Suicide Memes”
Ian S. Stark, Texas Alpha Iota, Angelo State University, Region I

11:30 “Dark Souls-ian Communication: A Fandom’s Rhetorical Fantasy”
Alex Treat, Arkansas Zeta, University of Arkansas at Monticello, Region II

Section 22 Education (Research/Scholarship) ......................................................................................................... Veterans C

10:30 “An Examination of the Relationships Between Music Education and Graduation Rates in Title I Schools in North Carolina”
Madeline Bame, North Carolina Zeta, Gardner-Webb University, Region III

10:45 “Poverty in the Classroom”
Ariel Forbes, Tennessee Gamma, Tennessee Wesleyan University, Region III

11:00 “How Do We Learn? Bringing Neuroscience Into Everyday Classrooms”
Kaitlyn McSweeney, New Hampshire Zeta, Franklin Pierce University, Region VI

11:15 “Translating Ovid: Finding a Balance Between Literal and Aesthetic”
Sidney Nicol Agnes Russell, California Iota, California State University, Bakersfield, Region VII

Section 23 Health Sciences ........................................................................................................................................... Hope Ballroom B

10:30 “Living Limbs: The Artful Progression of Prosthetics”
Eva Rose Celeste, California Beta, California Baptist University, Region VII

10:45 “Integrating Biomarkers into the Diagnosis of Indeterminate Pulmonary Nodules”
Jerod E. Crockett, Tennessee Kappa, Lipscomb University, Region III

11:00 “The Future of Cancer Treatment: CAR-T Cell Therapy”
Lydia Howard, Mississippi Beta, William Carey University, Region III

11:15 “The Nurse as the Facilitator of Patients’ Narration: An Educational Intervention”
Petra Stockman, Texas Psi, Abilene Christian University, Region I

11:30 “An Evaluative Review of the Diagnostic Methods for Primary Amoebic Meningoencephalitis Caused by Naegleria fowleri”
Sydney Sumners, Georgia Theta, Shorter University, Region III

Section 24 Political Science ......................................................................................................................................... Center Street D

10:30 “Effectiveness of Non-SNAP Food Assistance Programs: A Preliminary Inquiry”
Taylor Jackson, California Iota, California State University, Bakersfield, Region VII

10:45 “Genealogy of Equal Pay Policy: Equal Pay Act to the Lilly Ledbetter Act”
Gwyneth Navey, North Carolina Xi, Greensboro College, Region III

Becca Peach, Indiana Alpha, Anderson University, Region V

11:15 “Is the United States Transitioning Into Socialism?”
Mallory Hope Sheehy, Alabama Delta, Faulkner University, Region III

11:30 “Gender Quotas: The Solution to Achieving Gender Parity in Politics?”
Olivia Wilson, Missouri Delta, Westminster College, Region IV

Section 25 Psychology .................................................................................................................................................. Veterans D

10:30 “Cognitive Rehabilitation Following a Traumatic Brain Injury”
Cori Damron, South Carolina Iota, Erskine College, Region III

10:45 “Importance of a Weight-Gain-First Strategy when Recovering from Anorexia Nervosa”
Sarah Elizabeth Douglas, Tennessee Nu, Milligan College, Region III

11:00 “The Healing Effects of Art Therapy”
Sarah Fisher, California Beta, California Baptist University, Region VII

11:15 “Athletic Competitiveness as Understood through Erikson’s Psychosocial- Development Stages”
Alexis Jensen, Iowa Beta, William Penn University, Region IV

11:30 “Music and the Psychological and Physiological Effects”
Asia R. McLeod, Alabama Delta, Faulkner University, Region III
Section 26 Philosophy and World Religions ................................................................. Center Street C

10:30 “Descartes' Dreaming Dilemma”
Rachel Anderson, California Zeta, Fresno Pacific University, Region VII

10:45 “Of What Use is Discourse Analysis to the New Testament Student?”
Kyle J. Keesling, Jr., South Carolina Iota, Erskine College, Region III

11:00 “Belief in God is Properly Basic”
Michael Chandler King, California Beta, California Baptist University, Region VII

11:15 “Uncovering Paul's Rhetorical Effect in I Corinthians 11:2-16”
James Everett Parker, Oklahoma Epsilon, Oklahoma Christian University, Region II

11:30 “The Holy Scoop: How Journalism Created a New Baptist”
Sean M. Timmons, North Carolina Phi, Chowan University, Region III

Section 27 World Literature ...................................................................................... Center Street A

10:30 “Funny Looks: Facial Expressions and Attitudes in The Wall”
Will Leggett, Arkansas Zeta, University of Arkansas at Monticello, Region II

10:45 “No Way Out: The Futility of Resistance Language in Margaret Atwood's The Handmaid's Tale”
Ian Pittman, Mississippi Beta, William Carey University, Region III

11:00 “The Dark Child: Camara Laye's Life in Francophone Africa”
Savannah Brooke Rymer, Tennessee Gamma, Tennessee Wesleyan University, Region III

11:15 “Good Witch or Bad Witch: The Portrayal of Witchcraft in Literature and Film”
Carrington Jade Shelton, Virginia Kappa, Bluefield College, Region III

End of Friday Presentation List

Saturday, Session III: Student Presentations (9:00 a.m. to 10:00 a.m.)

Section 28 American History ..................................................................................... Veterans A

9:00 “Civil War Medicine: The Birth of the American Medical Complex.”
Jeffrey Lewis, Arizona Alpha, Grand Canyon University, Region VII

9:15 “Dancing through the Civil War: The Importance of Social Dancing on Morale”
Miranda Ridener, Indiana Alpha, Anderson University, Region V

9:30 “Another Nation Divided: The Cherokee and the Civil War”
David Zwirn, Texas Beta Alpha, Texas A&M University - Texarkana, Region II

Section 29 Anthropology and Sociology ................................................................... Veterans B

9:00 “Youth, Media, and Terrorism: The Cycle of Influence in America”
Holly Brunow, Massachusetts Beta, Massachusetts College of Liberal Arts, Region VI

9:15 “Police Morale in America Today”
Taylor Dawn Dunn, Kansas Delta, Kansas Wesleyan University, Region IV

9:30 “Camp Halsey SCS-1, Re-fleshing the Bones Through the Use of Historical Fiction”
Robert J. Sunde III, Arkansas Gamma, University of Central Arkansas, Region II

9:45 “New Blacks on the Block: How Children of African Immigrants Negotiate Black Identity in the U.S.”
Maranata Zemede, California Zeta, Fresno Pacific University, Region VII

Section 30 Business Administration......................................................................... Center Street C

9:00 “How to Build Your Personal Brand”
Angela Bratt, Arizona Alpha, Grand Canyon University, Region VII

Eric Patrick Johnson, Delaware Beta, Goldey-Beacom College, Region VI

9:30 “Robots and Artificial Intelligence in Business Companies”
Line Gjetoe Kristoffersen, Delaware Beta, Goldey-Beacom College, Region VI

9:45 “Adult Self-Directed Learning Analysis”
Audrey White, Texas Alpha Xi, University of Texas at Tyler, Region II
Section 31  Computer Science ............................................................................................................................. Hope Ballroom A

9:00  “Ethics and Cryptocurrency”  
      Jennifer Easter, Oklahoma Epsilon, Oklahoma Christian University, Region II
9:15  “Gas Mask Communications Cover Mechanical Engineering Design”  
      Cameron Owens, Indiana Lambda, Indiana Institute of Technology, Region V

Section 32  Creative Writing and Original Visual Art .......................................................................................... Center Street B

9:00  “St. Augustine Theologizes My Boxers: An Excerpt from Homophany: A Theological Magic Realist Novella”  
      Gabriel Antonio Reed, Tennessee Delta, Carson-Newman University, Region III
9:15  “A Matter of the Heart: A Short Story”  
      Elizabeth Wong, Texas Psi, Abilene Christian University, Region I
9:30  “Small Adventures: The Inspiration and Process of Creating Comics”  
      Carrie Hill, Arkansas Beta, Ouachita Baptist University, Region II

Section 33  Education: Research/Scholarship ....................................................................................................... Veterans C

9:00  “Promoting Community College Student Success: Eight-Step Model to Increase Completion Rates”  
      Somanita Kheang, Missouri Pi, Lindenwood University, Region IV
9:15  “Cost-Efficient Eye Tracking”  
      Joelle Reitz, Pennsylvania Theta, Thiel College, Region VI
9:30  “Experiential Learning: A Study of Teachers in the International Teacher to Teacher Exchange”  
      Sarah Reynolds, Texas Eta, University of North Texas, Region II

Section 34  Health Sciences .............................................................................................................................. Hope Ballroom B

9:00  “Chronic Sorrow: Parents of Children with Inflammatory Bowel Disease”  
      Lori Acosta, Texas Alpha Xi, University of Texas at Tyler, Region II
9:15  “Growth Hormone’s Cognitive Effects on the Human Body”  
      Damian Chance Hutchins, North Carolina Zeta, Gardner-Webb University, Region III
9:30  “Effects of Pain on Short-Term Memory”  
      Amber L. Smaltz, North Carolina Phi, Chowan University, Region III
9:45  “Triad of Anxiety: A Qualitative Analysis of Anxiety in Collegiate Athletes in Nursing Programs”  
      Morgan Renae VanderSchaaf, North Carolina Zeta, Gardner-Webb University, Region III

Section 35  Performing Arts ............................................................................................................................... Superior D

9:00  “‘Batti, Batti, O Bel Masetto’ by Wolfgang Amadeus Mozart”  
      Hope Christine Barnes, Missouri Pi, Lindenwood University, Region IV
9:15  “Winning the Battle”  
      Rebekah Ann Biles, Arkansas Beta, Ouachita Baptist University, Region II

Section 36  Political Science ............................................................................................................................. Center Street D

9:00  “The Battle Against Climate Change in International Relations: Has the International Community Worked Together to Try and Mitigate this Problem?”  
      Alexis Benitez, Oklahoma Gamma, East Central University, Region II
9:15  “One Step Ahead or Five Steps Behind: Women’s Rights in the United States Versus Sweden”  
      Brianne Christine Pepe, Rhode Island Alpha, Roger Williams University, Region VI
9:30  “Anti-Human Trafficking Policy in Source Countries”  
      Morgan Victoria Peterson, Texas Alpha Omega, Southern Methodist University, Region II
9:45  “People v. Turner: Sexual Misconduct on College Campuses”  
      Juliet Wilson, Indiana Beta, Huntington University, Region V

Section 37  Psychology ....................................................................................................................................... Veterans D

9:00  “The Placebo Effect Transcends to Packaging”  
      Sarah Kate Coleman, South Carolina Iota, Erskine College, Region III
9:15  “Living Life with a Blind Bias”  
      Annie Emert, Kentucky Delta, Brescia University, Region V
9:30  “Stability Over Distance: Factors that Influence Relational Stability Within Active Duty Military Couples During Instances of Prolonged Separation”  
      Jennifer Pearcy, Indiana Beta, Huntington University, Region V
9:45  “The Effects of Jury Bias”  
      Ariel H. Thompson, Kentucky Lambda, Campbellsville University, Region V
Section 38  World Literature ............................................................................................................................................ Center Street A

9:00  “Folklore: Alive and Well in Catholic Ireland”
Callista Jane Eckert, North Carolina Zeta, Gardner-Webb University, Region III

9:15  “Postmodern Reinvention of Biblical Messiahs in Kafka’s The Metamorphosis”
Trevor McWilliams, Oklahoma Theta, Southeastern Oklahoma State University, Region II

9:30  “Aeneas, Dido, and Roland: The Bhagavad-Gita as a Critical Lens for Epic Characters”
Lauren Oliver, California Beta, California Baptist University, Region VII

Saturday, Session IV: Student Presentations (1:15 p.m. to 2:15 p.m.)

Section 39  American Literature ...................................................................................................................................... Veterans A

1:15  “The Body as Battlefield: Corporeality and Construction in Between the World and Me and Unbearable Weight”
Logan John Church-Owens, Texas Psi, Abilene Christian University, Region I

1:30  “Philosophical Questions in The Virgin Suicides”
Ruth Elizabeth Church-Owens, Texas Psi, Abilene Christian University, Region I

1:45  “Caught Between Two Allegiances: Examining Passing and Identity through Nella Larson and Ernest Cline”
Ginger Johnson, Oklahoma Gamma, East Central University, Region II

Section 40  British Literature ......................................................................................................................................... Veterans B

1:15  “The Lady’s Maid: Navigating the Castle of Udolpho”
Abigail Baumgartner, Missouri Tau, Cottey College, Region IV

1:30  “Guilt and Gunfire: How Wilfred Owen Shames the Home Front”
Nicole Kiser, Texas Alpha Omega, Southern Methodist University, Region II

1:45  “The Revolutionary Protagonist: A Marxian Approach to the Socioeconomically Critical Themes of The Wanderer”
David C. Thompson, Georgia Theta, Shorter University, Region III

Section 41  Business Administration .......................................................................................................................... Center Street C

1:15  “Nivelatic American Business Proposal”
Rachael Lynn Townsend, Arizona Alpha, Grand Canyon University, Region VII

1:30  “Understanding the Importance of Culture in International Business”
Bailee Plemmons, Tennessee Gamma, Tennessee Wesleyan University, Region III

1:45  “Understanding and Overcoming Cultural Risks through Cultural Intelligence”
Suha il Bismilla, Delaware Beta, Goldey-Beacom College, Region VI

Section 42  Education (Pedagogy) ................................................................................................................................. Veterans C

1:15  “Teaching Archaeology to Children; Giving Younger Students A Chance to Learn About the Past”
Mischale DeShazer, Indiana Alpha, Anderson University, Region V

1:30  “Linguistic Challenges Faced by Arabic-Speaking English Language Learners”
Isaac Hatch, Indiana Beta, Huntington University, Region V

1:45  “Defining Math Teacher Identity in Pre-Service Teaching Programs”
Joni J. Lindsey, Texas Iota, Texas State University, Region I

2:00  “Latin Via Ovid: A Good Latin Textbook or Not?”
Bailey Elizabeth Anne Russell, California Iota, California State University, Bakersfield, Region VII

Section 43  Environmental Science .............................................................................................................................. Center Street B

1:15  “Sublethal Cyanide Exposure: Sources, Health Effects, and Remediation”
Elizabeth R. Bishop, South Carolina Iota, Erskine College, Region III

1:30  “Growth and Predator Avoidance of Tadpoles in Response to Traffic Noise”
Jaime Calcagno, North Carolina Phi, Chowan University, Region III

1:45  “Investigation of the Presence and Identity of Polychlorinated Biphenyl Congeners in the Coosa River and its Rome Tributaries in Floyd County, GA Using Arachnid Mediated Flux”
Chris Elsey, Georgia Theta, Shorter University, Region III
### Section 44  Exercise Science and Nutrition

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<th>Time</th>
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<th>Presenter</th>
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<tbody>
<tr>
<td>1:15</td>
<td>“Scaphoid Fracture: Two Methods of Rehabilitation”</td>
<td>Kellan Robert Barry, Texas Alpha Delta, Texas Lutheran University, Region I</td>
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<tr>
<td>1:30</td>
<td>“Effects of Static Stretching Compared to Foam Rolling on Vertical Jump Performance”</td>
<td>John Brock, Missouri Sigma, Missouri Valley College, Region IV</td>
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<tr>
<td>1:45</td>
<td>“Effects of Lower Leg Passive External Compression on Cardiorespiratory Peak Variables During Maximal Exercise Testing in Young Adults”</td>
<td>Victoria Vargas, New Hampshire Zeta, Franklin Pierce University, Region VI</td>
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### Section 45  Health Sciences

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<tr>
<td>1:15</td>
<td>“Mental Illness Incarcerated: Trends and Practices”</td>
<td>Mary Brannon, California Beta, California Baptist University, Region VII</td>
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<tr>
<td>1:30</td>
<td>“Molecular Mechanism of Opioids and Current Treatment Options for Opioid Addiction”</td>
<td>Emily Lane Bray, South Carolina Iota, Erskine College, Region III</td>
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<tr>
<td>1:45</td>
<td>“The Rising Opioid Crisis in the United States”</td>
<td>Ashley Alisha Clark, Hawaii Beta, Hawaii Pacific University, Region VII</td>
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<td>2:00</td>
<td>“Caution of Teen Drug Abuse and Effective Intervening Strategies”</td>
<td>Cassidy Mull, Kentucky Lambda, Campbellsville University, Region V</td>
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### Section 46  Molecular and Cellular Biology

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<tr>
<td>1:15</td>
<td>“Immunostimulatory Activity of Dillapiole Isolated from Fennel Root”</td>
<td>Elliot Collins, West Virginia Epsilon, West Liberty University, Region V</td>
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<tr>
<td>1:30</td>
<td>“Combating Glioblastoma Resistance to Temozolomide Using Inhibitor of Human DNA Polymerase”</td>
<td>Luke Shackelford, Arkansas Iota, Lyon College, Region II</td>
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<tr>
<td>1:45</td>
<td>“Secondary Metabolite Production in Cave Isolates From Sorcerer’s Cave, Texas”</td>
<td>Lucas Tobar, Texas Psi, Abilene Christian University, Region I</td>
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### Section 47  Political Science

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<tr>
<td>1:15</td>
<td>“Onagawa Seaweed Initiative”</td>
<td>Alison Casey, Kansas Delta, Kansas Wesleyan University, Region IV</td>
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<tr>
<td>1:30</td>
<td>“A Plan to Develop Sustainable Political, Economic, and Social Institutions Within the Middle Eastern North African Region”</td>
<td>Dylan McClain, Arkansas Zeta, University of Arkansas at Monticello, Region II</td>
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<td>1:45</td>
<td>“Diplomacy Through Imposition: U.S. Posture Towards Iran and North Korea”</td>
<td>Michael Sorter, Texas Iota, Texas State University, Region I</td>
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<td>2:00</td>
<td>“Defining Terrorism Through the Lens of Ideologies”</td>
<td>Belle Tan, Arkansas Zeta, University of Arkansas at Monticello, Region II</td>
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### Section 48  Psychology

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<tr>
<td>1:15</td>
<td>“It’s So Frustrating! Effects of Priming Instructions and Task Malfunction on Perceived Frustration”</td>
<td>Nina Reina Ferreri, Rhode Island Alpha, Roger Williams University, Region VI</td>
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<tr>
<td>1:30</td>
<td>“An Investigation into the Effects of Adolescent Nicotine Exposure on the Learning and Memory of Adult Long-Evans Rat Models”</td>
<td>Evan Richard Youker, Pennsylvania Theta, Thiel College, Region VI</td>
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### Section 49  World History

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<td>1:15</td>
<td>“Dysfunctional Plenipotentiaries: An Analysis of the Anglo-Irish Negotiations”</td>
<td>Matthew C. Kirkpatrick, Arkansas Iota, Lyon College, Region II</td>
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<tr>
<td>1:30</td>
<td>“The Archbishop and the King: Thomas Becket and Church-State Relations in the Twelfth-Century”</td>
<td>Madeleine G. McKeon, Massachusetts Beta, Massachusetts College of Liberal Arts, Region VI</td>
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<tr>
<td>1:45</td>
<td>“Heroism or Hysteria? The Contested Historiography of the British Militant Suffrage Movement”</td>
<td>Samantha Young, Texas Psi, Abilene Christian University, Region I</td>
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## Saturday, Session V: Student Presentations (2:30 p.m. to 3:30 p.m.)

### Section 50 American Literature

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<tr>
<td>2:30</td>
<td>“A Structuralist Approach to Diverse Family Narratives”</td>
<td>Katelyn Connar, Tennessee Gamma, Tennessee Wesleyan University, Region III</td>
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<tr>
<td>2:45</td>
<td>“Closeted Homosexuality Within Faulkner’s <em>Absalom, Absalom!</em> and The Sound and the Fury”</td>
<td>Tanner Orion Harris, Arkansas Iota, Lyon College, Region II</td>
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<tr>
<td>3:00</td>
<td>“Freudian Irony in William Faulkner’s The Sound and the Fury”</td>
<td>Haley Reed, Arkansas Iota, Lyon College, Region II</td>
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### Section 51 British Literature and Shakespeare

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<tr>
<td>2:30</td>
<td>“New Wine in Old Wineskins: Re-Vision in Victorian Revivalist Christianity”</td>
<td>Jacob Buller, Texas Psi, Abilene Christian University, Region I</td>
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<tr>
<td>2:45</td>
<td>“A History and Comparison of John Stuart Mill and Margaret Fuller”</td>
<td>Kylie Kincaid, Texas Psi, Abilene Christian University, Region I</td>
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<tr>
<td>3:00</td>
<td>“That They Might Be Fitted with a Husband: The Intersectionality of Politics and Marriage in <em>Much Ado About Nothing</em>”</td>
<td>Hannah Elizabeth Bowling, Texas Psi, Abilene Christian University, Region I</td>
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### Section 52 Business Administration

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<td>2:30</td>
<td>“Expectations of Highly Motivated Employees”</td>
<td>Mary Hall, Tennessee Gamma, Tennessee Wesleyan University, Region III</td>
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<tr>
<td>3:00</td>
<td>“Employee Engagement in Relation to Management Effectiveness”</td>
<td>Taylor Lee Porch, Delaware Beta, Goldey-Beacom College, Region VI</td>
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### Section 53 Economics

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<tr>
<td>2:30</td>
<td>“Implementation of the Blockchain Technology in the African Society”</td>
<td>Roman Allou-Tognan, Missouri Sigma, Missouri Valley College, Region IV</td>
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<tr>
<td>2:45</td>
<td>“Michael Kors and Ralph Lauren: Financial Analysis”</td>
<td>Federico Borrego Higareda, North Carolina Omicron, Catawba College, Region III</td>
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<td>3:00</td>
<td>“Traditional or Low-Cost Airlines: Missouri Valley College International Undergraduate Students’ Preferences for Transatlantic Flights”</td>
<td>Lea Filali, Missouri Sigma, Missouri Valley College, Region IV</td>
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<td>3:15</td>
<td>“Emerging Economies in Crisis: A Case Study of Zimbabwe’s Failed Attempts at Development”</td>
<td>Luca Picci, North Carolina Omicron, Catawba College, Region III</td>
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### Section 54 Education (Pedagogy)

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<td>2:30</td>
<td>“Inclusivity in the Elementary School Classroom”</td>
<td>Samantha Bedard, New Hampshire Zeta, Franklin Pierce University, Region VI</td>
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<td>2:45</td>
<td>“Special Education Integration in Dallas, Texas”</td>
<td>Victoria Dickson, Texas Alpha Omega, Southern Methodist University, Region II</td>
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<td>3:00</td>
<td>“Action in the World: Critical Pedagogy in Secondary English Classrooms”</td>
<td>Carly Heitland, Oklahoma Gamma, East Central University, Region II</td>
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### Section 55 Exercise Science and Nutrition

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<td>“Occupational Therapy: The Occupation of Play”</td>
<td>Bethany Stokes, Tennessee Gamma, Tennessee Wesleyan University, Region III</td>
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<td>3:00</td>
<td>“Obesity Prevention in America: Analyzing Current Approaches and Planning for the Future”</td>
<td>Zachary Vrobel, California Beta, California Baptist University, Region VII</td>
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Section 56  Mathematics and Physics/Astronomy .......................................................................................... Center Street B

2:30  “Perfect Property for Non-Perfect Integers: Can We Find an Additive Property of the Sum-of-Divisors Function for Non-Perfect Positive Integers?”
Marcia-Mariel Erhart, North Carolina Omicron, Catawba College, Region III

2:45  “Graceful Labelings of Spiders”
Kathryn Nation, Tennessee Xi, Martin Methodist College, Region III

3:00  “Last Component Analysis: Uncovering the Causes of Complex Behaviors in Large-Scale Biochemical Systems”
Caleb Clay Reagor, Tennessee Kappa, Lipscomb University, Region III

3:15  “IceCube South Pole Neutrino Observatory Flasher Documentation”
Joseph Jahn, Nebraska Alpha, Hastings College, Region IV

Section 57  Molecular and Cellular Biology ......................................................................................... Hope Ballroom A

2:30  “Diabetes Treatments and Care”
Raniah Al Bayati, Pennsylvania Eta, Point Park University, Region VI

2:45  “The Role of Lithium in Suicide Prevention: A Biostatistical Study”
Alice Bewley, Arkansas Iota, Lyon College, Region II

3:00  “Neuromodulators Regulate Phosphorylation of Glutamate Receptors in the Lateral Septum”
Tyler Whitney, Oklahoma Gamma, East Central University, Region II

Section 58  Organismal and Ecological Biology.................................................................................. Hope Ballroom B

2:30  “Mosquitoes in Southeast Arkansas”
Watt Austin Carson, Arkansas Zeta, University of Arkansas at Monticello, Region II

2:45  “The Study of Pinus albicaulis Extracts for Possible Medicinal Use”
Mackenzie Jacobs, West Virginia Epsilon, West Liberty University, Region V

3:00  “Cryptic ‘Royal’ Subfamilies in Honey Bee (Apis mellifera) Colonies”
James M. Withrow, North Carolina Zeta, Gardner-Webb University, Region III

Section 59  Psychology ..................................................................................................................... Veterans D

2:30  “Clinician and Educator Label Makers: Streamlining DSM-V and SpED Diagnoses Across Disciplines in Behavior Modification”
Nicole Killian, Texas Alpha Xi, University of Texas at Tyler, Region II

2:45  “Playing with Purpose”
Catherine Elizabeth Lewis, Missouri Pi, Lindenwood University, Region IV

3:00  “DSM-V: Conduct Disorder”
Bethany Peercy, Kentucky Lambda, Campbellsville University, Region V

Section 60  World History .................................................................................................................. Center Street A

2:30  “Nosferatu and The Last Laugh: Representations of Bourgeois Experiences of Weimar Cultural Conflicts”
Thomas Fodor, Tennessee Delta, Carson-Newman University, Region III

2:45  “Fleeing From Hong Kong: Imperialism and its Discontents”
Eli Mathias Wolfenbarger, Tennessee Delta, Carson-Newman University, Region III

End of Saturday Presentation List
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In April 2016 Alpha Chi debuted the first issue of its online journal of undergraduate scholarship. In keeping with the strong tradition of student involvement at all levels of Alpha Chi, the journal provides a forum for students to become actively involved in the writing, peer review, and publication process.

**Peer-reviewed articles in every issue**
The editorial staff at *Aletheia* works hard to make its peer review a good place to start—helping you craft a high-quality article and providing you with feedback from scholars in your field. Peer-reviewed articles accepted for publication exemplify the best research practices in a field and offer a way to add legitimate value to a curriculum vitae.

**How to submit your scholarly work**
Submissions to the journal may be sent at any time. If accepted, a submission will be published in the next available issue after it has been fully reviewed and prepared for publication. Alpha Chi members can be published at no per page charge. A page charge does apply for non-members.

**Come see us!**
Journal staff will be present during all three days of the convention. Please come by AX Central and look for Dr. Tim Lindblom (Editor), Dr. Kathi Vosevich (Editor), Katie Holmes (Production Editor), or Melinda Hicks (Copy Editor). We would love to meet you and talk about *Aletheia*!

If you’re interested in submitting a manuscript or serving as a faculty Manuscript Editor, email aletheia@alphachihonor.org. More information can be found at AX Central or by visiting www.alphachihonor.org/Aletheia.
My Personal Schedule

Make the most of every moment! Go through the program and highlight sections or specific student presentations you don't want to miss. Use this page to note where you want to be during any given time slot by writing the rooms in the blanks below. (Events for all delegates have been inserted for you.) This can keep you from missing a presentation you’re really wanting to hear.

The floor diagrams on the outer back cover of the program are to help you more easily navigate the hotel’s meeting space. Familiarize yourself with the layout of the hotel so you can find your way around quickly.

THURSDAY EVENING

5:45  Opening Banquet, Superior D
8:30  Research & Creativity Forum, Superior A

FRIDAY

6:30  Optional Yoga, Superior B  
8:00  Regional Breakfast Meeting, _____________________
9:15  General Session for all delegates, Superior C
10:30 ____________________________
10:45 ____________________________
11:00 ____________________________
11:15 ____________________________
11:30 ____________________________
11:45  On your own for lunch and sightseeing
10:00  Alpha Chi’s Open Mic Superior D

SATURDAY

6:30  Optional Yoga, Superior B
7:45  Regional Breakfast Meeting, _____________________
9:00  ____________________________
9:15  ____________________________
9:30  ____________________________
9:45  ____________________________
10:15  Chapter-Strengthening Session, _____________________
11:30  On your own for lunch
1:15  ____________________________
1:30  ____________________________
1:45  ____________________________
2:00  ____________________________
2:30  ____________________________
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3:00  ____________________________
3:15  ____________________________
5:00  Closing Dinner & Awards Gala, Superior D