Conference Agenda

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Welcome to the 2018 Student Conference!

On behalf of the administration, faculty and staff, I am proud to witness the high level of participation in this year’s Student Conference, as well as the broad range of intriguing topics that will be presented.

As the event sponsor, the Honors Program of Kent State University at Stark provides a forum for the campus community to not only celebrate students’ educational accomplishments, but also to learn from them. Whether you are a student attending this conference to support your peers or a faculty or staff member fostering the growth of a student you teach or assist, I applaud you for acknowledging the academic excellence of our student body.

To the presenters, you are role models to your fellow classmates, and you inspire all of us. Thank you for sharing your projects, theories, discoveries and talents with us. We wish you great success in your academic endeavors.

Warmest Regards,

Denise A. Seachrist, Ph.D.
Dean and Chief Administrative Officer
Kent State University at Stark

Student Conference Reception
Thursday, April 26 • 6 - 7:30 p.m.
Campus Center

Special thanks to our musical artist!

Augustus Lancaster is a fourth year Music Technology student at Kent State Stark. Originally from Nashville, Tennessee, music was always an important part of his life starting at a young age. He moved to Northeast Ohio in 2006 and started to develop his musical ability not long after. In 2016, he acquired a job working as a fishing guide for an upscale lodge in Southwest Alaska called “Angry Eagle Lodge and Outfitters” for two summers. The vacationing clientele requested music when they found out Augustus could play guitar, and it became routine to take requests and play for them on the lodge’s deck with a picturesque view of Alaskan mountains, forests, and Lake Iliamna. As a fan of all styles of music, Augustus is a multi-genre singer/guitarist and hopes to end up back in his hometown of Nashville, eventually.
MORNING PRESENTATIONS

8 - 8:25 a.m.  
Mary Metzger  
**The Blood of the Covenant is Thicker than the Water of the Womb: Fried Green Tomatoes at the Whistlestop Café and Non-Familial Relationships**  
217 S&N  
Moderator: Jen Cunningham

**Abstract:** This paper discusses the role non-familial relationships portrayed within Fannie Flagg's novel, "Fried Green Tomatoes at the Whistlestop Café" and how their comparison with the familial, or "blood" relationships have an impact on the characterization. Divided into two sections, this paper looks at Idgie's role in the town and her relationships gathered there, specifically with Ruth, Stump, and Big George; and the relationship that Ninny and Evelyn form during Evelyn's visits to the nursing home, resulting in Ninny essentially saving Evelyn's life.

Mary Metzger is a Fall 2017 Kent State Stark graduate with her Bachelor's degree in English. She is currently pursuing a master's degree in social work, where she plans to become a counselor or social worker that deals with children in unfit homes. In her free time, she enjoys reading, watching Indians baseball, and dabbles in some creative writing.

8 - 8:25 a.m.  
Rikki Kadri  
**The Journey to Commencement and Beyond**  
128 S&N  
Moderator: Thomas Norton-Smith

**Abstract:** The dedication, sacrifice, and hard work that was put into obtaining an undergraduate degree had paid off, right? As the Commencement Song ends and the tassel has been switched to the other side of the cap, the next morning implies the "dream job" is starting, right? Or it could mean the adventure to Graduate school awaits the next semester? All the ideas of life are magically going as planned, and everything is lined up and ready to go, right? For a large population of college students, this isn't the case. This study explores the abundant amount of students who are undecided in where their journey leads them after Commencement, and into the world beyond their undergraduate life. While providing visual displays of pathways to connect students with campus support and resources, as well as, to help guide students on their exploration on where the journey is leading next.

Rikki Kadri is a Senior student at Kent State University at Stark. She is completing a Bachelor of Arts degree in Psychology, with a minor in human development and family studies. After she graduates in May 2018, she plans to enter into her desired career path and attend graduate school for Higher Education. She enjoys working in the community and on campus and spending free time with her family.

8 - 8:25 a.m.  
Brooke Giebel  
**Combating Gun Violence in Schools: How to Help the Boys**  
124 S&N  
Moderator: Amy Damrow

**Abstract:** School shootings are on the rise, and affected communities are reaching out to legislators in every way that they can, including the March for Our Lives on Saturday, March 24, 2018, all across the nation. The purpose of my research is to identify additional warning signs and orient assistance to children who may be most at risk for violent outbursts of that nature. It is important, now more than ever, to be identifying students' potential for violence as systematically and authentically as possible. From 1960-1990, a 30-year period, there were 53 school shootings. From 1990-2018 there have been over 200. The only thing they have in common is that they were committed by boys. Active shooters have invariably been men, but our discussion of prevention targets students indiscriminately.

It is not possible to understand this definitively, but there is evidence that it is due to the differences in frontal lobe development, verbal skills, myelination, and testosterone levels between boys and girls. In addition to reading several academic journal articles, I interviewed a high school teacher with experience dealing with at-risk youth to supplement my findings as well as interviews with the teachers and parents of school shooters conducted by third-party interviewers. It is impossible to say with certainty what causes school shooters to do what they do, but through the analysis of the shooters we can begin to discern areas of concern where we can focus our efforts to stop this violence. Men are not inherently the problem, but between biological and social factors they are the overwhelming source of gun violence both in schools and out.

Brooke Giebel is a student at Kent State Stark pursuing a double major in integrated social studies and language arts secondary education. She is also a board member of Louisville-Nimishillen Historical Society and a manager at Integrity Group Services. After graduation, Brooke plans to commit herself to bettering her community through education and service.
Fred Hutson

Interventional Methodologies for American Military Veterans with PTSD and Comorbid Disorders: A Literature Review

124 S&N  Moderator: Matt Lehnert

Abstract: The purpose of this literature review is to identify the existing interventional methods currently employed by mental health professionals in a multitude of settings, from private mental health practices to Veterans Affairs (VA) clinics and other facilities. Numerous studies exist in the interventional methods used to treat Post-Traumatic Stress Disorder (PTSD), including veterans from many of this nation’s conflicts, ranging from the Korean Conflict, the Vietnam War, and the War on Terror in both Iraq and Afghanistan. The VA cites numerous interventional methodologies for treating PTSD in American military veterans, such as cognitive behavioral therapy (CBT) and exposure therapy (ET) to name a few. This review will encompass veterans from the conflicts listed above and will include those individuals with a diagnosis of PTSD and those with a comorbid diagnosis to gauge effectiveness of interventional methods used to treat the disorder alone or with an associated disorder.

Fredrick (Fred) Hutson is a senior, majoring in psychology with a pre-med concentration and a history minor. He plans on graduating in Spring 2019, and has been accepted into NEOMED for Fall 2019 for medical school.

Demi Edwards

An Underground History: London’s Forty Elephants

128 S&N  Moderator: Shawn Selby

Abstract: Often, women in organized crime are seen as inferior to men because of a preconceived notion that surrounded women of the early twentieth-century. Comparing the women in the various classes to the women of the Forty Elephants, along with the gangs of men shows a pattern of crime that has easily earned itself a place in history in its own right. Women or the goals of women were different than the men. By defining what organized crime in England was, what types of women turned to organized crime, and discovering their motivations to turning to crime rather than being involved in a more traditional role it will help add to the historiography as proof that women and men were playing in the same underground world, but with slightly different motivations. The Forty Elephants had their own system of committing crime and it was one that is well worth examining.

Demi Edwards is a senior history major with a minor in political science. After graduating in May, she plans on going to law school after spending a year working in China. In her spare time, when she is not working on school work, she likes spending time with friends and family, traveling and watching movies.

Following this presentation, Demi will have a presentation from 1:45-2:15 p.m. in Science and Nursing room 124.

Madison Miller

The Effects of Amazon Go on the U.S. Economy

217 S&N  Moderator: Lucas Engelhardt

Abstract: Amazon has continuously proven to be a powerful and successful company and with the company’s newest installment of Amazon Go. It brings many questions about the future of retail. The goal of Amazon Go is to incorporate the use of technology into the typical retail experience to eliminate the requirement of waiting in a checkout line. To achieve this, an app must be downloaded onto a smartphone to gain entrance to the store. Once inside, the technology embedded throughout the store detects what you purchase and charges you for said items after exiting the store. While many people are fascinated by this new technological convenience store, many questions arise about how this new type of retailing will affect the economic state of our country. Unfortunately, the state of our economy has been an issue that many Americans have been concerned about for years, so this paper will go in-depth on how Amazon Go can influence several macroeconomic indicators, such as unemployment, gross domestic product, and inflation. This paper argues that Amazon Go is a gateway to a new type of retail, and can transform the state of the economy for better or for worse depending on its course of action.

Madison Miller is a first year student at Kent State Stark. She is completing her degree in accounting. After she graduates, she plans to obtain her Certified Public Accountant license. When she is not busy with school, she enjoys playing tennis, reading, and painting.
Martel Carpenter  
The Benefits and Uses Of IDEA  
128 S&N  
Moderator: Lori Wilfong

Abstract: The Individuals with Disabilities Education Plan, better known as IDEA, is a mandate that requires students with disabilities receive the things that they may need to be successful in an academic setting. These things include evaluation and determination, appropriate education and an Individualized Education Plans in the Least Restrictive Environment (Santrock, p. 200). I have taken a personal interest in the way IDEA affects children with Attention Deficit Hyperactivity Disorder (ADHD) and Behavior Disorders. I have interviewed and taken time at Massillon Washington High School in a Special Education setting, as well as viewed various scholarly journal articles in an attempt to seek further information on how IDEA is used to give these students a proper education and how the teachers directly involved benefit from it. I will be concluding my research in the upcoming weeks and hope to show the benefits and uses of IDEA.

Martel Carpenter is a senior history major at Kent Stark who plans to teach social studies in the future.

Marissa Hoover  
Exploring the Secrets of the Symbol  
217 S&N  
Moderator: Lindsay Starkey

Abstract: This paper analyzes the importance of symbols in relation to the religious themes of fourteenth-century Europe, specifically Florence, Italy. With reference to a symbol found on the rooftop of Orsanmichele, this paper breaks down the current historiography of the way symbols are researched with comparisons to heraldry, masonry marks, and medieval graffiti. In addition, the argument states that the position of the symbol found on Orsanmichele is related to the fourteenth-century conceptions of the Virgin Mary, while also noting its possible characterization as a heraldic symbol, mason mark, or medieval graffiti. In doing so, comparisons can be made to how symbols have been analyzed and how symbols can give insight to religious conceptions of Christian Saints.

Marissa Hoover is a senior at Kent State Stark. She is majoring in history with an interest in medieval and Renaissance Italy. After graduation, she plans to attend graduate school with the goal to obtain her Ph.D. in the field of history.

Jillian Decker  
Art Restitution after World War I: Historical, Legal, and Ethical Approaches for Museum Professionals  
124 S&N  
Moderator: Melissa Bauer

Abstract: World War I is one of the most researched topics in history, with repercussions still impacting the international museum community. The Nazis looted an estimated one-third of Europe's art. Because of this, works of art ended up scattered across Europe and the U.S., both in public museum collections and hidden in private collections. Internationally, restitution efforts began again in the 1990s, arising from the field of Holocaust Era Art Restitution. Since then, museums have been at the center of legal battles, conferences, and national declarations. This study will explain the historical context, and then use a case study of a recent dispute over Holocaust-looted art in a museum as an example. The goal is to create a framework for museum professionals who strive to practice high ethical standards regarding the restitution of works looted in connection with the events of World War I.

Jillian Decker is a junior Honors Program student at Walsh University. She is double majoring in museum studies and business management with a minor in history and will graduate in Spring 2019. She is specifically concerned about ethical museum practices and how museums can be economically beneficial to a community, while being advocates for social change and cultural well-being.
9:30 - 9:55 a.m.  
**Bert Crawford**  
*Cannabinoid Mediated Inhibition of Ovarian Cancer Cell Proliferation is Mediated via Oxidative stress*

124 S&N  
Moderator: Matt Lehnert

**Abstract:** I hypothesized that the cytotoxic effects of cannabinoids will be mediated via cannabinoid (CB) receptors and cannabinoids will increase the cellular reactive oxygen species (ROS). SKOV3 cell viability was determined in the presence of WST-1 reagent. Mitochondrial morphology and membrane potential (Δψm) were observed with Mitotracker Green FM and tetramethylrhodamine methyl ester (TMRM). ROS were visualized with 5-(and 6)-chloromethyl-2',7'-dichlorohydrofluorescein diacetate (CM-H2DCFDA) and dihydroethidium (DHE). The plasma membrane of the cells became permeable to Nuclear Green Dead dye. ROS was also increased in the cannabinoid-treated cells but the cytotoxic effects were not reversed by either CB1 (Rimonabant) or CB2 (AM630) receptor antagonist. Although the antioxidant α-tocopherol (vitamin E) was able to prevent the induction of cytotoxicity, water-soluble Trolox and ascorbic acid were unable to do so.

Bert Crawford is a senior who will be graduating this spring. He likes to read, exercise and travel. After graduation, Bert plans to apply to MD-PHD and medical schools. He will also teach in China for his gap year. Bert will be presenting at a conference in the Netherlands this summer.

9:30 - 9:55 a.m.  
**Bethany Earley**  
*Partners in Crime or a Better Half?: A Comparison of the Friend and Assistant Relationships with Victor Frankenstein in "Frankenstein" and Film*

128 S&N  
Moderator: Ann Martinez

**Abstract:** Within Mary Shelley's novel, "Frankenstein", the friend character of Henry Clerval plays an important role in influencing Victor Frankenstein. Many film adaptations disregard this role of the friend, especially the 1931 version which situates Frankenstein between a relatively indifferent assistant and a false friend. The 2015 film, "Victor Frankenstein", seeks to revitalize the importance of the role that relationships played on Victor within the novel. Despite this attempt, the nature of the friendship between Igor and Victor in the film is not equal to the one shown in the novel due to the inequality of the friendship portrayed in the movie. My work shows that while this move towards enforcing the importance of relationships on Victor’s choices is improved in "Victor Frankenstein", it still does not give due diligence to the importance of friendship which can be seen with Henry Clerval in the novel.

Following this presentation, Bethany will have a poster on display from 10-10:30 a.m. in the Science & Nursing 101 lobby.

Bethany Earley is a senior at Kent State University at Stark, and is pursuing a double major in history and English, with a minor in writing. After graduating, she intends to go on to pursue graduate studies in maritime history at Eastern Carolina University.

9:30 - 9:55 a.m.  
**Michael Caiazza**  
*The Impact of Valuing Employees within an Organization*

217 S&N  
Moderator: Claudia Gomez

**Abstract:** The purpose of this study is to investigate the relationship between employee treatment and work productivity and satisfaction. This study is interested in the dialogue and communicative practice of employers with employees, particularly those in entry level positions, and how those interactions change over time, from the on-boarding process through employee socialization and assimilation experiences. As such, this study will focus on how entry level employees frame their work satisfaction, compensation, relationships and intentions to stay with the organization as they reflect on the experience of joining the organization and subsequent interactions thereafter with peers, superiors and the organization as a whole. The study correlates with Stanley Deetz’s Critical Theory of Communication within Organizations. I plan on presenting the paper that will showcase my results and findings from the research.

Following this presentation, Michael will present on a panel from 11-11:45 a.m. in Science & Nursing 124.

Michael Caiazza is a senior here at Kent State University at Stark. He is currently slated to complete his Bachelor of Arts degree in Communication Studies after the Fall 2018 semester under the organizational communication concentration. After he completes his studies, Michael hopes to work in Human Resources at a large company. In his spare time, Michael enjoys video games, sports, and spending time with his girlfriend and family.
**Honey, I Shrunk the Supercomputer: Scalable Big Data Analysis Using a Raspberry Pi Computing Cluster and Apache Hadoop**

**Abstract:** Big data refers to a collection of data sets so large and complex that it becomes difficult to process with traditional data processing applications or methods, nor can it be managed as a single instance. Big data analytics, of course, is the process of examining these large and varied sets of information to deliver a more coherent understanding of this data, by uncovering unseen correlations, patterns, or trends. Typically, a large-scale data analysis operation, the analysis at hand is performed by a "supercomputer" or several high-performance computers (HPCs) that are linked together to pool computing resources. This schema is considered a "cluster" with each individual computer being a "node" work in parallel to solve problems, or in this instance, analyze big data.

The topic of this paper addresses the planning and construction of a small-scale supercomputer (smaller than a breadbox) to perform analysis on data sets pertaining to employable skills for students entering the technology job field.

**Effect of Cannabidiol and Koningic acid on Ovarian Cancer Cell Proliferation**

**Abstract:** Since cytotoxicity-inducing cannabidiol (CBD) shifts the ovarian cancer cell metabolism towards glycolysis, I hypothesized that inhibiting the glyceraldehyde-3-phosphate dehydrogenase (GAPDH) with koningic acid (KA) in the presence of CBD will further enhance their cell death. Ovarian carcinoma cells (SKOV3) were treated with CBD and KA in serum-free DMEM:F12 medium and their viability was assessed with WST-8 reagent. Oxidative phosphorylation status was visualized in the presence of tetramethylrhodamine methyl ester (TMRM), which is an indicator of mitochondrial membrane potential ($\Delta \psi_m$). Compared to individual treatments, combination treatment further decreased the cell viability. Cell death was associated with dissipation of $\Delta \psi_m$, swelling of the cells and their detachment from the substratum. CBD-induced decrease in pH was reversed by KA. The data support my hypothesis.

**Cytotoxicity of Phytocompounds Cannabigerol (CBG) and Withaferin A to SKOV3 Ovarian Cancer Cells**

**Abstract:** Ovarian cancer affects 239,000 women worldwide yearly. One in 75 women will develop this condition, and it has a one in 100 lethality rate (Reid et al., Cancer Biol Med, 14:9-32, 2017). Ovarian cancer, as well as many other cancers, are most often treated with chemotherapy and radiation. Because of the nonspecific targets of these treatments, many negative side effects often result, including hair loss, nausea and vomiting, and even increase in the progression of cancer. Previous studies with plant extracts such as cannabinoids and withaferin A have shown cytotoxic effects on many types cancer cells. Therefore, I hypothesized that cannabigerol (CBG) and withaferin A would also show cytotoxicity toward SKOV3 cancer cells.

I further hypothesized that both compounds would inhibit cell migration and increase acidification of the medium, which are characteristic of many cancer cells. Both CBG and withaferin A independently inhibited cell proliferation, CBG decreased the pH of the conditioned medium and increased the levels of reactive oxygen species present in the cell environment, and the combined treatment inhibited cell migration in a scratch-wound assay. These preliminary results suggest the potential of these compounds as a possible approach to treat ovarian cancer. However, further in vivo studies are required to characterize the effects of these compounds on ovarian tumors.

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Corey Coyne  
**Comparing Surfaces Reacting with Water**

**Abstract:** Hydrophobicity is a measure of how well a surface repels water. I measured the hydrophobicity of shrimp specimens compared to other hydrophobic surfaces, such as Teflon. A digital microscope helped me capture images of the surfaces repelling the water droplets. The shrimp exoskeleton was not hydrophobic when compared to the Teflon. This may be due to the dependence shrimp have on seawater passing through its carapace. Investigations into the structure of the shrimp may reveal the nature of its hydrophilicity, or water binding property. To get a clear and even more magnified image of the exoskeleton structure a SEM microscope will be used.

Corey Coyne is a senior majoring in geology at Kent State Stark. He plans on working in the energy industry after graduating. He enjoys being outdoors and exploring various locations throughout Ohio and Washington State when visiting relatives. He also enjoys playing the guitar and hanging out with those close to him when he is not at work or school.

Joseph Cantwell  
**Ohio River Flood Patterns**

**Abstract:** A significant body of water in the state of Ohio is the Ohio River. This flooding of the Ohio River is on a scale set to be roughly every 100 years and in that case, we are due for one in 2037. We should look to the past for historical cues on what to do to prevent drastic flooding like the flood of 1937. There should be a focus to the damage that could occur and limit this by harvesting hydroelectric energy. We can also work on lock control to make sure the excess water does not rip them out. These flood waters will be up to 20% more than the flood of 1937 and could bring upwards of 20” of flooding to cities like Louisville. I believe, by teaching the public and student body of Kent State through my poster presentation, we can mitigate and create a solution to the problem before it occurs.

Joseph Cantwell is a second year communication studies student at Kent State University at Stark. He enjoys writing and this will translate to his plans for a future in a communication field - writing for a major media company. He enjoys all things outdoors and this can be shown by his Eagle Scout award in which he obtained on October 1, 2015.

Harry Price  
**The Effects of Diet on Lipid Composition in Gypsy Moth Caterpillars (Lymantria dispar dispar) and their Subsequent Ability to Neutralize Toxic Oak Tannins**

**Abstract:** Gypsy moth caterpillars (Lymantria dispar dispar) produce high concentrations of lysophosphatidylcholine, a lipoprotein necessary to neutralize toxic oak tree (Quercus spp.) tannins commonly found in their diet, hereby aiding their growth and survival on a common host. Nutrient ratios (protein to carbohydrates) of the caterpillar diet may affect lipoprotein composition in the hemolymph. In this study, we reared caterpillars on diets of varying nutrient ratios as well as varying concentrations of tannic acid. We hypothesized that diets containing higher protein: carbohydrate ratios would allow the caterpillars to produce higher concentrations of lipoproteins, such as lysophosphatidylcholine. Hemolymph was extracted from caterpillars, and thin layer chromatography followed by phosphate analysis were utilized to determine lipoprotein presence and abundance. This study provides insights on toxin neutralization of a generalist herbivore pest and offers possible new mechanisms for forest pest management strategies.

Following this poster display, Harry will have a presentation from 11:30 a.m. - Noon. in Science and Nursing 128.

Harrison (Harry) Price is a senior double major in biology pre-med and psychology. He plans to graduate this spring, get married in June, take a year off, and then go to medical school. After this, he plans to serve as an Army doctor and in medical missions. He enjoys his studies, exercising, spending time with family and friends, mentoring others, and participating in the praise and worship band at his church.

Andrea Riggs  
**Effectiveness of Triclosan as an Antibacterial Ingredient in Soap**

**Abstract:** Although Triclosan may be a discontinued ingredient in hand soap today, it is still effective at killing bacteria. Two different hand soaps were tested to determine whether Triclosan as an ingredient in the soap contributed to the success of killing bacteria found on the hand. The two soaps tested were Mrs. Meyer’s liquid hand soap which was Triclosan-free and Dawn dish detergent containing Triclosan as an active ingredient. After the bacteria had been cultured for 18 hours on an agar plate, the bacteria colonies of each soap were counted before being examined under the fluorescent microscope. Triclosan proved to be more effective at killing bacteria found on the hands.

Andrea Riggs is a senior at Kent State University. She is currently completing her Bachelor of Integrated Studies. After she graduates, she plans to attend graduate school for her masters as a physicians assistant. She plans to move to Georgia after graduating with her masters degree and having a career involved with either dermatology or OB/GYN.
Miranda Sexton  

**Play of Color in Bird Feathers**

**Abstract:** Coloration in a biological organism supports mating, survival, identification, and other evolutionary processes. This coloration may be due to pigmentation produced by an organism or by play of color through structuring. This is significant because organisms use play of color to produce coloration that pigmentation alone is not capable of expressing. I explored the microstructure of the tail feather in peacocks using scanning electron microscopy to determine whether feather structure relates to the colors observed by the human eye. I hypothesize that microscopic structures of the feathers contribute to the overall color variation observed in peacock tail feathers.

Miranda Sexton is senior at Kent State Stark. She is completing a Bachelor of Science in Zoology in Fall 2018. After graduation, she plans to obtain a job working with wildlife. Outside of school Miranda enjoys spending time with her nieces and nephews. She also enjoys time with her dog and chinchillas.

Jenna Shinsky  

**Hands-on Geology Lab Experience in the Hoover Foundation Mudroom**

**Abstract:** With the addition of the new Science and Nursing Building constructed in 2015 came the phenomenal new classrooms and new lab spaces. Among these labs is the Hoover Foundation Mud Room, a lab space where aspiring and experienced geologists alike have the opportunity to cut and polish rock specimens, prepare fossils, and utilize some of the finest resolution microscopes. This lab has been irreplaceable in creating and preparing new lab specimens for study. During any given semester, two to four undergraduate students work part time in the lab to gain hands-on geologic lab experience. For the Spring 2018 semester, geology majors Sara Hoffman, Shane Husk, Hannah Moauro, and Jenna Shinsky have been employed under Dr. Schweitzer’s supervision to extract Clypeaster, a fossil sea urchin, from sediment with microjack tools; creating microscopic thin sections of several different rock specimens, and preparing dozens of polished rock specimens for study. Skills learned in the Mud Room will prepare students for graduate school or the work force.

Following this presentation Jenna will have a poster display from 2:45-3:15 p.m. in the Science and Nursing room 101 lobby.

Jenna Nicole Shinsky is a third year student at Kent State University at Stark. She is completing a major in geology and a minor in geography. After graduation, she intends on pursuing further education in a geology-related field such as paleontology or field geology, with a strong emphasis in the utilization of geographic information sciences (GIS). When she is not spending her time working in the Hoover Foundation Mud Room or studying crustacean decomposition patterns, she enjoys hiking at various national parks and watching “Law and Order SVU”.

Cody Silverthorn  

**Distorted Perceptions of Genuine vs. Practiced Personalities: The Impact Theory Analysis**

**Abstract:** This study focuses on how individuals involved in reality TV alter their behaviors to converge with the context and the audience. My analysis of The Impact Theory, an interview-based show on YouTube hosted by Tom Bilyeu, found that the use impression management techniques and a high conversational sensitivity of the interviewer and interviewee were often apparent, as was involuntary nonverbal leakage when considering bodily communication. These behaviors, more often than not, aren’t as commonly observed in reality, leading me to find the nonverbal similarities used regularly across all contexts. With this research/poster display, I intend to make aware the differences of human behavior in both reality and reality TV contexts and assist my audience in further understanding how individuals react and adapt to unexpected conversational violations. The implications of this research are that it does not consider the array of other communicative contexts in reality, but rather takes a general approach to observing nonverbal cues and how the “spotlight” can influence that.

Cody Silverthorn is a senior communications studies major with a focus in interpersonal communication and will graduate this May. Afterwards, his plans branch further in the academic field as he plans to attend graduate school. His hobbies include reading, basketball, and spending time with family.
Devin Myers | Dust of English: The History and Interpretation of English Grammar
124 S&N | Moderator: Mary Rooks

Abstract: The following piece brushes over a brief history of the English language and contributors to its grammar. Once the "father of modern linguistics" established his theories, we move forward in time and witness modern-day experiments taking place putting Chomsky's fundamental grammar theories of "innate reactions" to the test. Once taking a breather from English grammar, we'll notice some of the influential dialects that English has succumb to within its infancy. These influences from centuries ago have affected our modern-day language as we know it. We don't seem to think about how our language was created and the time that was invested in creating its scaffolding for what it is today. Once brushing off the dust of English, we'll be able to rediscover our roots as modern day English speakers and pay homage to the individuals that prescribed us with it.

Devin Myers is majoring in English with a minor in writing. Some interests include reading and creative writing in his spare time. After graduation, Devin plans to find a job as a technical writer. He's not too picky on where he'll go, he's just eager to discover what is available to him.

Matthew Lenz | Parental Opinions of Combination Treatment of Medication and Interactive Metronome with Children with ADHD
128 S&N | Moderator: Lori Wilfong

Abstract: This research study was conducted to further the research in the treatment options for children with Attention Deficit Hyperactivity Disorder. While past research has shown that stimulant medication alone is sufficient to treat the symptoms of ADHD; there has been a push for a combination of medication and therapy as the most effective treatment option. Using parents who have children with ADHD and parents who do not have children with ADHD, the study will gather the opinions of parents about whether or not they would be interested in having their child receive combination therapy and their reasoning behind that. The study also gauged the parents' awareness and reservations about the treatment option.

Matthew Lenz is a senior honors student at Walsh University. He is completing a triple major in psychology pre-occupational therapy, sociology family studies, and psychology community clinical. After he graduates, he will be continuing his education at Walsh University for his Masters in Occupational Therapy and plans to work with pediatrics and continue to do research on ADHD patients and patients with Autism Spectrum Disorder.

Haley Walker | Psychological Manifestations of Microbial Infections: A Case for the Inclusion of Pediatric Autoimmune Neuropsychiatric Disorder Associated with Streptococcal Infections (PANDAS) and Chronic Lyme Disease
124 S&N | Moderator: Matt Lehnert

Abstract: Some acute microbial infections can have long-lasting symptoms. Byproducts of the infection can cross the blood-brain-barrier causing psychological manifestations. Depending on the original diagnosis, these manifestations can either be treated as such, misdiagnosed as another disorder with similar symptoms, or completely disregarded. Two well-known and widely accepted infections known to cause mental status changes are Toxoplasmosis and Syphilis. Two lesser known and not very widely accepted disorders that are said to cause altered mental statuses are Pediatric Autoimmune Neuropsychiatric Disorder Associated with Streptococcal Infections (PANDAS) and Lyme disease. My goal in this presentation is to uncover the similarities and differences between these four diseases and explain why two are accepted by the CDC and healthcare workers as causing mental status changes, while the other two are ignored. To accomplish this goal, I will present evidence in the form of primary scientific literature searches, interviews with healthcare professionals on both sides of the issue, and visual representations.

Haley Walker is a senior Honors student at Kent State Stark. She will graduate in December 2018 with a Bachelor's of Science degree in Human Development and Family Studies with a concentration in Family Life Education. After graduation, she plans to work as a counselor with troubled youth while taking classes to attend medical school for either radiology or pediatrics. In her free time, she enjoys reading, volunteering for the Honors Program, and spending time with her friends and family.
Abstract: This paper explores the unstudied subject of Canton Ohio's place in the history of organized crime during the age of prohibition. While it is widely accepted that Canton was a center for criminal activity, little has been written on any specifics. Many works that mention organized crime within Canton make reference to a gangster by the name of "Jumbo" Crowley. It is apparent that Crowley is a significant figure when it comes to organized crime in Canton, yet he is not studied or documented. This paper seeks to study Crowley and his operations within Canton, and in doing so write a history of the biggest name in crime in Canton. By examining newspaper stories, police reports, and court cases that involve both Crowley himself and his subordinates, it becomes possible to determine what Crowley's influence was within Canton. This paper will argue that Crowley, more than any other individual, was the driving force for organized crime in Canton.

The historiography of Canton's history of organized crime is small, mainly focusing on the killing of Donald Mellett, and the corruption that existed within Canton's police force. This paper will approach the question of corruption from a different point of view. Where the history of Donald Mellett looks at the uncovering of corruption through Mellett's work, this paper will investigate the corruption that existed in the local government that was connected to Crowley. This paper will construct a narrative of Crowley's criminal career, and in the process shine a light on Canton's connection to organized crime, and the corruption that came along with it.

Griffin Angerman is senior at Kent State Stark. He is finishing a major in history. After he graduates he plans to attend graduate school to major in library and information sciences.
11:30 a.m. - Noon  Harry Price  More than medicine: the role of physical activity, psychological interventions, and religion and culture in a primary care medical setting

Abstract: Within the medical field, a large interest has been rising in the role of preventative medicine and alternative treatments in addition to traditional pharmacological approaches. A literature search of PsycINFO and Medline was performed on the role of physical activity, psychological interventions such as cognitive behavioral therapy and mindfulness, and religion and culture in the primary care medical setting. All three of these approaches have been shown to have physical, mental, and economical benefits for patients and physicians alike. Barriers to increasing these three fields in the medical setting are discussed, along with suggestions for successful implementation for optimal patient centered care, health, and physician well-being.

11:30 a.m. - Noon  Jordon Smith  The Purpose of the Puritans Migrating to America in the 1630s

Abstract: This paper explores the main purpose for Puritans, who did not separate in doctrine from the Church of England, settling in America. The historiography primarily is focused on the desire for religious freedom and independency as well as the economic promise of America. A further investigation of sermons and essays written by the Puritans reveals the Puritan's wanted to correct, not brake away from, the Church of England. Several documented sermons and writings from the 1630s-1700 either specifically explain the Puritans purpose to restore or they make connections to scripture to imply the purpose. John Winthrop spoke of the Puritans as being A City Upon a Hill, a community that had the power to end corruption. Samuel Danforth, likewise, compared the Puritans to John the Baptist as they were also going into the wilderness (America) to speak the truth. Richard Mather wrote of the covenant between God and the Church of England, and how the Anglican Church could be restored. John Cotton spoke of the sinfulness of separating from the Church of England, since it was still a true church that needed to be restored. The Congregational Puritans did not come to America to establish their own religion or to prosper economically. They came to do God's will, to correct and restore a member of His body.

Following this presentation, Jordon will be opening an exhibit with his group from 6-7:30 p.m. on the third floor of Main Hall.

Jordon Smith is a fifth year student at Kent State Stark. He is completing a major in history. After he graduates, he plans to work in a museum as an archivist or work with the public outreach office to help educate students on their community's history. He enjoys reading, outdoor sports and visiting local museums.

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AFTERNOON PRESENTATIONS

1:15 - 1:45 p.m.  
Nicholas Taylor  
Intersections in Modern Sonic Arts: Reviews on the Use of Non-Musical Sound  
101 S&N  
Moderator: Rob Sturr

**Abstract:** To challenge ourselves artistically, we must challenge our existing notions of art. In the case of the sonic arts we must move beyond the frameworks in which we perceive sound. Attempting to only interpret sonic art and sound through a musical lens limits our understanding of art as a whole. The are many other meritorious forms of art the make use of sound and challenge our notions of art and the establishments in which they reside. This is no more obvious than in the ideals of anti-art movements such as Futurism (especially Russolo's "The Art of Noise") and Post-Dada Fluxus; and modern Sound Collage and Noise "musics." These art forms and movements actively challenge, and often transcend, traditional frameworks for music and make use of non-musical sound. Understanding other ways in which sound can be used and the contexts it can be used gives us a broader understanding of and appreciation of art outside of the visual and musical. This presentation will explore the commonalities amongst the aforementioned establishments and will highlight intersections in the use of non-musical sound and in what ways it is effectively manipulated.

Nicholas Taylor is majoring in Music Education while simultaneously studying for an Associates in the Arts at Kent State University. Previously he studied Music Composition and Improvised Performance at Bowling Green State University. He has actively worked as an artist, composer, arranger, and music director for the last five years since beginning his college experience. He plans on teaching instrumental music education while also pursuing ventures as a composer and artist. He will be performing with activist and sociological artist Ekow in Toronto, Ontario, Canada at the Eclec-Tic-Toc Festival in July 2018.

1:15 - 1:45 p.m.  
Val Kramer  
Proboscis Architecture of Hybrid Limenitis Butterflies: A Post-zygotic reproductive / Isolating Mechanism and an Example of Haldane's Rule  
124 S&N  
Moderator: Robert Hamilton

**Abstract:** Reproductive isolating mechanisms evolve to reduce the sharing of alleles among groups where reproduction does not result in offspring, or results in offspring with lower fitness. Occasionally, individuals from genetically different populations mate and produce hybrid offspring. Post-zygotic reproductive isolating mechanisms affect the hybrid individual and can be intrinsic (developmental problem) or extrinsic (individual is incompatible with its environment). The viceroy (Limenitis archippus) and red spotted purple (Limenitis arthemis astyanax) are two closely related species of butterfly native to North America that are capable of hybridizing. This study looks at the proboscis morphology of Limenitis archippus and Limenitis arthemis astyanax, as well as their hybrid “rubidus” form. Proboscis architecture relates to its function, and each structure has an impact on fluid uptake abilities (nutrient acquisition), making its architecture fundamental to the individuals fitness. We hypothesize that hybrid butterflies might have proboscises with reduced functionality, impairing feeding ability, thus acting as a post-zygotic reproductive isolating mechanism. To test this, we measured eleven structures on each proboscis and compared measurements among species groups. Recorded measurements supported the hypothesis that hybrid Limenitis butterflies might have reduced proboscis functionality, which would hinder fluid uptake, and ultimately reduce hybrid fitness.

Val Kramer is a senior biology major at Kent Stark who completed a senior thesis and is looking forward to graduation and graduate school.

1:15 - 1:45 p.m.  
Chelsea Craft  
Latino Medication Management: An Examination into the Factors that Influence Medication Adherence  
128 S&N  
Moderator: Greg Blundell

**Abstract:** Latinos in the United States have less access to health care services compared to people of any other ethnicity or race. This is a critical concern considering the continually increasing size of the U.S. Latino population, especially in Ohio. The decreased utilization of healthcare services often interferes with the patient’s adherence to his or her medications. The objective of this study was to see how influential the factors of communication, rapport, importance of taking medications, and concern for side effects, were on medication adherence in Latinos living in Northeast Ohio. This was completed using a modified survey created for the National Community Pharmacists Association. Understanding how influential certain factors are on adherence can determine how to best address these barriers and improve medication adherence in the future.

Chelsea Craft is a senior nursing student at Walsh University with minors in Spanish for healthcare and history. After graduation, she plans to work with underserved populations, specifically the Latino population, in the United States or abroad.
John Polles  

**Once You Stumble, Human Nature is on You: Septimus Warren Smith, Gender Nonconformity & Suicide in Mrs. Dalloway**

101 S&N  
Moderator: Jayne Moneysmith

**Abstract:** In this presentation, I discuss connections between gender nonconforming characters and suicide within the novel “Mrs. Dalloway” by Virginia Woolf. My focus is on Septimus Warren Smith and, to a lesser extent, Clarissa Dalloway, and how they are both portrayed as not conforming to their (patriarchal) society’s expectations of gender. I argue that this inability to fully live within their gender expression ultimately contributes to their eventual feelings and actions concerning suicide. I look at Septimus Warren Smith’s inability to process emotion to “feel” – which seems to have been broken by World War I and reinforced by the actions of medical professionals, specifically Dr. Holmes, which I argue represent the patriarchy in the novel. For Clarissa, it means looking at how her own same-gender attraction is stifled in her marriage to Richard. Finally, I provide an analysis of the connectedness between the two characters and argue that Clarissa’s understanding of Septimus’s death provides more insight into his motivations.

John C. Polles is a senior English major minoring in writing, LGBTQ studies, and ancient, medieval & Renaissance studies. They are also Senior Tutor at the Writing Center, Co-Editor of “The Writing Center Review”, Editor-in-Chief of “Canto”, and President of the English Club. They plan to attend grad school to study gender and sexuality in literature.

Demi Edwards  

**Ohio, Newspapers, Political Cartoons, and Voting Records: How All of These Relate in the Election of 1912**

124 S&N  
Moderator: Brad Shepherd

**Abstract:** Using Ohio newspaper political cartoons to create an analysis on how the media has an effect on the voting population. The players from the 1912 presidential election came from the two major political parties, Republican and Democrats, along with the Progressive "Bull Moose" party. Due to the dependency of the newspaper media, as the medium was one of cheapest and accessible to the most amount of people. By looking at historically right and left leaning news sources it is possible to observe the biases of each side because there is always a specific narrative portrayed in political cartoons for each presidential candidate. A cartoonist can present their own opinions of a candidate which would cause them to exaggerate certain characteristics to sway the public perception of an individual candidate. Therefore, by putting all factor together it can be shown that there is a correlation between newspaper cartoons and voting records.

Demi Edwards is a senior history major with a minor in political science. After graduating in May 2018, she plans on going to law school after spending a year working in China. In her spare time, when she is not working on school work, she likes spending time with her friends and family, traveling and watching movies.

Amanda Blind  

**The Booming World of Cryptocurrency**

217 S&N  
Moderator: Greg Blundell

**Abstract:** Cryptocurrency is a digital or virtual currency that uses cryptography, or the practice of techniques for secure communication in the presence of third parties, for security. Cryptocurrency has blown up in the past couple of years and many new cryptocurrencies emerge every day, Bitcoin being the biggest and most well-known. Satoshi Nakamoto, the inventor of Bitcoin, found a way to build a digital cash system without a central entity. This new way of sending and receiving money boomed because it is so secure that it cannot be counterfeited, nor can any bank or government interfere with any cryptocurrency. This new cryptocurrency could potentially be our future because of its security and many people are turning to it to protect themselves against the devaluation of their national currency. I will further address some of the challenges that cryptocurrencies face in the future with regards to legislature and viability.

Amanda Blind is a first year student at Kent State Stark. Her hobbies and interests include mathematics and athletics. She is working towards getting a degree in both accounting and business management. After graduating, she will work for a corporation in their accounting department.
Donald Larabee  
The Role of Childhood Trauma in Adult Semantic and Episodic Memory Performance

Abstract: In this study, we examine the effects of childhood trauma on long term memory. Specifically, we hypothesized that people who experience childhood trauma would have an enhanced semantic memory and reduced episodic memory, in both quality and quantity of remembered items. Using an online survey, participants read two stories and later answered a series of questions. Demographic information was also collected at the end of the survey, including whether or not the participant had experienced trauma previously in their life, and self-rated episodic and semantic memory, GPA, and memories from three time periods in childhood. We found that trauma was associated with self-rated assessments of memories from childhood. In addition, we found that participants' self-rating for episodic memory function was a good predictor for their performance in the semantic portions of the study.

Donald Larabee is a senior psychology major at Kent State University at Salem. His major research interests are in the effect of trauma on later life outcomes, including memory. He also conducts research on the effect of virtual reality on mood. He serves as a mentor in the Rural Scholars program and serves as President of Kent State at Salem's eSports team.

Brittany Olson  
Representations of Grief in Mrs. Dalloway

Abstract: Critics have made an effort to highlight trauma recovery in Virginia Woolf's “Mrs. Dalloway”, but little to no effort has been made to highlight grief recovery in this narrative. After a loss, grief is the healing process that helps the pain of the loss decrease over time. Trauma is the emotional response to a terrible event in life. Grief and trauma can occur together and be interconnected, but they are not the same thing. In approaching the reading of “Mrs. Dalloway” as a modernist narrative, I rely on the theories of feminism and trauma to show how grief can be viewed in the same light as trauma. Mrs. Dalloway's social and cultural milieu presents no opportunities for the characters to mourn or grieve their losses or "come out" about their sexuality. All of the characters in one way or another are affected by death, mourning and grief in “Mrs. Dalloway.”

Brittany Olson is senior at Kent State Stark. She is completing a major in English. After she graduates, she plans to attend graduate school to become a physician assistant. She enjoys spending time with her daughter, Annalise, and writing.

Briant Bowman  
Benjamin Franklin: ambassador for independence

Abstract: Benjamin Franklin has long been viewed as multi-faced; his credits to history include writer, inventor, politician, scientist and philosopher. However, his talent as an American diplomat, particularly in France, has not received much appeal in historiographic circles. Historiography has focused on Franklin’s achievements at home and his work on behalf of the United States in Great Britain. The importance of his duties as Minister to France were vital to American Independence, and merits admiration as well.

This paper examines Benjamin Franklin’s indispensable role in securing this alliance. The paper provides convincing evidence, through primary materials, that Benjamin Franklin was the necessary American commissioner. Without his assistance, French aid to America's struggling war effort would not have been forthcoming, thus independence would not have occurred. The importance of this paper suggests that American history would have taken a very different course if Franklin had not been a diplomat working for American interests in Paris.

This study includes supporting evidence that America’s military victory over the British depended on French intervention, and that the revolution undertaken in the United States would serve as inspiration for the French to pursue their own revolution less than a decade later. This paper strives to contribute to the historiography of American diplomatic history through the examination of Benjamin Franklin’s role as an ambassador to France during the Revolutionary War, and to further his contribution as seen in the historiographic discipline.

Briant Bowman is a senior history major at Kent State Stark, with a minor in geography. His future plans include attending graduate school and pursuing a career in museum archival research. His interests include reading, artwork in adult coloring books, and playing the guitar.
Veronica Bingham  
**Lactation Consultants**

*Abstract:* Lactation consultants (LCs) are trained to teach others about breastfeeding and to aid mothers in feeding their infants. They recognize problems, counsel patients and apply principles of physiology related to lactation. This project focuses on who they are, how they are educated and the kinds of challenges they face with this type of work.

Veronica Bingham is a nursing student at Kent State at Stark and a member of the honors program.

Ellie Camerato  
**Differential bacterial growth on various surfaces found at a gym**

*Abstract:* The goal of this project was to study the antimicrobial properties of three different surfaces found in a gym. Given the large number of people that handle gym equipment, it was expected that a mix of bacterial cultures often grow on various surfaces. Bacterial growth on surfaces relates to surface roughness; therefore, it was hypothesized that materials from the gym of different surface roughnesses would exhibit different antibacterial properties. Neoprene (coating on dumbbells), textured metal (similar to metal dumbbells), and vinyl (found on the seats of weight machines), had their surface roughnesses measured using contact angle measurements of droplets. The three surfaces, along with a positive control, were inoculated with Staphylococcus aureus, allowed to incubate for 24 hours, then imaged with the scanning electron microscope. The number of bacteria in each field of view for each sample was counted and the three treatments were compared. The hypothesis was supported in that the neoprene had the largest surface roughness and the largest number of bacteria viewed on the sample. This finding can lead to further investigations on better methods to disinfect rough surfaces found in the gym environment to better protect users from disease.

See Ellie Camerato’s bio on page 7.

Daniel Phillippi  
Sara Hoffman  
**Using microscopy methods to examine the taphonomy of crayfish (O. rusticus) in fresh water and marine environmental proxies**

*Abstract:* Several locally collected specimens of crayfish (Orconectes rusticus) were subjected to burial in clay (Edgar Minerals kaolinite) that had been wetted with tap water, pond water or seawater (salinity = 35ppt), with and without bacteria present for a period of two weeks or one week in order to study the preservational differences in marine and freshwater environments. Observation at the macroscopic scale indicated freshwater specimens were significantly more decayed than salt water specimens, and they were most well preserved when bacteria were present in the salty water. In order to study the taphonomy of these specimens in greater detail, claws and portions of the carapace were examined at the microscopic scale using scanning electron microscopy. Energy dispersive X-ray spectroscopy was also used to identify the elemental composition of the specimens. Closer examination of the specimens revealed significant preservational differences between the proxy environments. The current working hypothesis to explain greater decay of freshwater specimens is that the salts and bacteria in seawater work to alter the pH and Eh of the water, improving preservation.

Daniel Phillippi is a fifth year student majoring in geology. His research interests include paleobiology, paleoecology and planetary geology. After graduating this Summer, he will begin pursuit of an advanced degree at Syracuse University. When not busy with school work he enjoys traveling and outdoor activities.

Sara Hoffman is a junior majoring in geology with a minor in biology. Her major interests of study are evolutionary biology, paleontology and tectonic geomorphology. She intends to pursue an advanced degree after graduating in 2019. Outside of school she enjoys collecting fossils (especially ammonites) and playing DnD with her friends.

Gabbie Laubacher  
**Color Quantification of Lepidoptera**

*Abstract:* The purpose of this study was to quantify the color patterns among different species of tiger swallowtail butterflies. It was hypothesized that the more southern species (Papilio multicaudatus) would have wing coloration with more orange, which was based on the geographical coloration patterns of other butterfly species. Three species were studied, the eastern tiger swallowtail (P. glaucus), western tiger swallowtail (P. rutulus), and the two-tailed tiger swallowtail (P. multicaudatus). In this experiment, LensEye™ was used to color quantify approximately 1,100 individuals. The hypothesis was supported, however, it is unclear at this time of the adaptive value of having orange coloration at lower latitudes.

Gabriella (Gabbie) Laubacher is a junior majoring in biology with a concentration in pre-med. After graduation, she plans to go to medical school and become a surgeon. In her free time, she enjoys reading, hanging with friends, and baking.
Kaylee Salaski  
**Analyzing Crustacean Decomposition Rates**

**Abstract:** Problem: The Fear Avoidance Model of pain specifies that one either recovers from an injury or succumbs to a downward spiral of depression and disability. The recovery side of the model lacks reasoning on how recovery is achieved. We hypothesized a similar sequence of cognition, affect, and behavior would lead to recovery.

Method: Analyses were conducted on an existing data set, consisting of 110 patients undergoing knee arthroplasty. Patients completed surveys before, during, and after surgery. Regression analyses control for gender and baseline pain.

Results: Analyses revealed significant paths from self efficacy to positive affect and vitality-vigor facilitating recovery (p<.05).

Conclusion: The current findings suggest that positive cognition, affect, and behaviors lead to recovery. Interventions designed to enhance these resilience factors should facilitate optimal recovery.

Kaylee Salaski is a senior at Kent State University. She is completing a major in psychology. After she graduates, she plans to pursue a job, and attend graduate school. She enjoys boating, traveling, and gardening when she is not busy with school work.

Jenna Shinsky  
**Analyzing Crustacean Decomposition Rates**

**Abstract:** The arthropod class Crustacea has a widely known and vast fossil record. Despite this, the fossil record for Astacoidea and Parastacoidea, both groups including crayfish, is minimal compared to the related lobsters. A fifteen-week project was conducted to study the decomposition patterns of both crayfish and Penaeus (shrimp) in various simulated clay, aquatic environments. This experiment was conducted to make inferences on why the crayfish fossil record is sparse while also studying how early stages of decomposition could affect fossilization. The experiment was conducted under the assumption that crayfish exoskeletons appear to be much stronger and denser than shrimp; therefore, crayfish would take significantly longer to decompose and would leave a large remainder of its harder exoskeleton undecomposed. However, it was proven that shrimp decompose at a much slower rate, which helps explain the differences in the two species fossil record. Freshwater versus marine water environments did not experimentally demonstrate differences in decomposition rate.

See Jenna Shinsky's bio on page 9.

Jozie Scott  
**Ronald McDonald House Charities**

**Abstract:** I am currently doing an independent study on the Ronald McDonald House of Cleveland. The Ronald McDonald House offers families and patients a place to call home at little or no cost while they are receiving treatment at a hospital. They also provide home-cooked meals, fully furnished rooms, play rooms and many activities for the families. A lot of families may not know about staying at the Ronald McDonald House, or even how to contribute to helping. One easy way to raise money for the Ronald McDonald house is by collecting pop tabs. Throughout the semester I have educated people about the house and the different ways that people can help donate every day. The Ronald McDonald House Charities means a lot to me because while my brother was receiving treatment at the Cleveland Clinic, the Ronald McDonald house was a place I could call home.

Jozie Scott is a second year student at Kent State Stark. She is majoring in nursing. In the future, Jozie plans to become a pediatric oncology case manager. Jozie is a part of the Honors Program at Kent State Stark, enjoys playing tennis, and painting.

Susanna Walker  
**Name Brand vs. Generic Brand Cleaners**

**Abstract:** The experiment compared the effectiveness of killing Escherichia coli of the name brand household cleaner Lysol to generic cleaners. Each E.coli culture was allowed to incubate in the cleaning solution and then washed to remove the chemicals from the bacteria. A live and dead stain was applied and the sample was viewed under the confocal microscope. The results of the Lysol and the generic cleaners were very similar. A difference was that Lysol had a slightly higher percentage of death. These results show that Lysol is slightly more potent in killing E.coli. Both can be used as effective household cleaners, but Lysol was slightly more potent in killing E.Coli in this experiment.

Susanna Walker is a junior at Kent State University. She is majoring in biology with a focus on organismal biology. Susanna plans to graduate and work at a zoo where she will be an animal caretaker. She enjoys reading and playing video games with friends when she is not busy with school or work.
Annika Johnson  An Analysis of Fried Green Tomatoes through Critical Race Theory
124 S&N  Moderator: Partha Rajagopal

Abstract: What message does Fried Green Tomatoes send about race relations and African American representation? I am using the structure of Critical Race Theory to analyze the characters of the novel, their relationships, motivations and actions, and relate it to the history of African American representation in American literature. My purpose is to reveal where Flagg has successfully broken away from reductive portrayals and what problems still remain. Characters will be compared and contrasted with stereotypes such as the Mammy and Uncle Tom. Of special note is the unerring supportiveness of the black characters, namely Big George, Sipsey, and Onzell, toward the white Threadgoodees and whether it plays into the "Magical Negro" stock character type.

Annika Johnson is a senior at Kent State Stark. She is pursuing an English degree, hoping to graduate in Fall 2017. After school, she hopes to pursue a career in orthotics and prosthetics. She enjoys video games, media criticism, and theatrical mask making.

Bethany Earley  Logging Death at Sea: A Study of How Deaths Were Recorded in Woodes Rogers' "A Cruising Voyage Round the World"
128 S&N  Moderator: Paul Sommer

Abstract: Life at sea had many dangers associated with it, and long voyages often meant that there were many deaths aboard ships. Woodes Rogers' privateering circumnavigation near the beginning of the eighteenth century is one example of an endeavor with many casualties. By studying the way in which Rogers recorded the deaths of the men who were on the voyage, a better understanding of the different motivations behind the mentions of the sailors' deaths can be seen to stem from three primary factors, including the captain's familiarity with the man, the captain's writing style, and the events surrounding the deaths. By studying the various types of entries that Rogers wrote in the account of his voyage, a better understanding of why and how deaths were logged at sea can be reached.

See Bethany Earley's bio on page 6.

Michael Weinstock  The Effects of the American Revolution on American Social Life
124 S&N  Moderator: Tatyana Vulanovic

Abstract: The majority of historiography and literature regarding the American Revolution has a heavy focus on political or economic aspects of the war. Most often, historians point to factors such as taxation, the Enlightenment, or broader threats to absolute monarchy that affected European empires in the late eighteenth century. Analyses of the effects of the revolution, as well, tend to focus on new trade routes, political precedents, and the emergence of the United States as a new power on the world stage. When social impacts are discussed, they are frequently skimmed over as historians attempt to ensure readers that the American Revolution did indeed alter the social landscape of the young country as they so often claim it did politically or economically. However, this paper seeks to examine social impacts of the revolution, especially in terms of Loyalist men and Patriot women, in further detail to determine whether any social change occurred. This paper also intends to investigate what motivated any new trends in order to more fully understand if social change brought on by the American Revolution is just as dramatic as often assumed. The majority of this paper analyzes primary source documents regarding Loyalists and Patriot women written before, during, and after the revolution to examine social change and social treatment. Most of these documents offer a colonial and early American citizen perspective, while a few explore broader points of view to derive further meaning and understanding regarding American treatment of these two groups. The purpose of this paper is to expand the current historiography on the American Revolution in order to more fully understand the changes, or lack thereof, that occurred in early America and the resulting social atmosphere for Loyalists and Patriot women.

Michael Weinstock is a senior at Kent State, majoring in history. Michael is looking forward to graduation and continuing his historical studies.
Bryan Myers  
*Refining Realism and Diluting Duality: Considerations of Quality, Value, and Technology present in Robert Pirsig's "Zen and the Art of Motorcycle Maintenance"

217 S&N  
Moderator: Dee Warren

**Abstract:** In his novel, "Zen and the Art of Motorcycle Maintenance", Robert Pirsig considers philosophical questions associated with Quality and Value from the perspective of maintaining the proper tuning and performance of a motorcycle for not only proper function of the cycle itself, but also from that of the cyclist being fully in tune with understanding the underlying forms of the mechanical systems and processes working together to propel the union of cycle and cyclist forward. Not only through time and space but toward enlightened understanding and quality of being. The purpose of this presentation is to highlight Robert Pirsig's discussions on quality and value, including the ideas of "value rigidity" and "stuckness", relating them to technological advancements and anxieties. Bringing the discussion to close with a brief reflection about today's smart-everything-technologies and how to apply "Zen" ideas toward maintaining them forward.

Bryan Myers has been a member of the Kent State at Stark community for many years as a part-time student. Graduating in the spring with a Bachelors in English, he looks forward to considering the next step in his educational aspirations for post graduate study. When not studying, Bryan enjoys spending time outdoors riding, climbing, and boating with his three daughters and dogs.

Chris Distel  
*Kent State's Iconic Imagery: An Analysis*

128 S&N  
Moderator: Paul Sommer

**Abstract:** "I saw their faces and I could feel their pain, and I took their pictures so that no one would ever forget what happened at Kent State and the trauma that it caused for our nation;" Howard Ruffner wrote those words after the Kent State shootings on May 4, 1970. Four dead students and nine wounded, that was the aftermath of the Ohio national guard opening fire on a student protest rally at Kent State University.

Much has been written about those events but there is scant histiography regarding two of the most iconic photographs which were taken moments after those shots were fired. This paper seeks to add to the existing historical record by examining the impact created by Howard Ruffner's and John Filo's photographs for college students in 1970 and how those images served to move them to protest in the days following the shooting.

This paper will examine primary sources (photographs, newspapers, protest flyers, interviews with witnesses) and secondary sources to build a consistent analysis of the photographs' impact amongst the nation's colleges during the May 4 immediate aftermath. By analyzing the events which led up to the shooting, the photographs themselves and the impact that they had, this paper will show how the widespread usage of the Kent State iconography became defining symbols of the anti-Vietnam movement.

Chris Distel is a senior at Kent State Stark. He is completing a major in history. Chris would like to attend graduate school and attain a degree in library and information science.

Christine Collins  
*An Application of Critical Theory to Twenty One Pilots*

217 S&N  
Moderator: Dee Warren

**Abstract:** Critical theory is not limited to analyzing literature and texts. It can be used to provide meaning to many aspects in our culture, including music. Twenty One Pilots wrote a song titled “Ode to Sleep” that provides room for interpretation as it is vague and does not make sense on its own. However, I will apply some terms from psychoanalytical theory defined by Lois Tyson to explain what is going on in the song psychologically and how that is a representation of the songwriter drawing meaning from his own song. I will also apply terms from Tyson's reader response theory to illustrate how vaguer parts of the song can be explained through the listener's own interpretation. By combining these two theories of interpretation to the song, an overall message behind it will be accessed. This analysis exemplifies a dual responsibility between the artist and the audience. A complete meaning is not solely drawn from the artist, but from those observing the art as well.

Christine Collins is a senior at Kent State Stark majoring in English and minoring in writing. She hopes to teach English in Japan when she graduates and also hopes to eventually pursue a Masters in Fine Arts. She enjoys listening to Twenty One Pilots, writing and being involved with her church.
Emily Norris is a senior history major at Kent State University. She reentered the world of undergraduate studies in 2015 at the age of 33 and will be graduating this spring with a Bachelor of Arts in History. She plans to pursue a master’s degree in library and information sciences in 2019. Emily resides in Stow, Ohio, with her husband and three children.

Wade Scott is a Junior at Kent State University at Stark. He is a history major with the strongest area and most personal enjoyment of study in American history, concentrating on 19th-20th century American history. His main interest is in the Americans with Disabilities Rights Movement and the Americans with Disabilities Act of 1990. His goal after receiving his bachelor’s degree in history is to become some type of curator and/or researcher in the field of American history. He is debating on going to graduate school to receive his master’s degree right away or getting a job working and then going back for his master’s degree.

See Jordon Smith’s bio on page 12.

Michael Tovissi is a junior at Kent State University at Stark studying history. His goal in life is to work for an American history museum and become a curator.

David Ziegler is a sophomore at Kent State University at Stark. He is a history major, and his main interests include the American Revolution, the Russian Revolution, and printed media. His hobbies include comic book collecting, building and painting scale models, and playing tabletop games. David’s eventual goal would be to become a museum curator for the Smithsonian or one of a handful of other historical sites like Mount Vernon or St. Augustine.

### INTER-CAMPUS CLASH

Six Kent State University at Stark students participated in the semi-final persuasive speech round on Thursday, April 26, 2018, from 4:15-5:15 p.m. in Main Hall 201. The students and respective speech titles are:

- **Joey Artimez**  
  *Why You Should Never Vape*

- **Matthew Dujanovic**  
  *Keep Cinema Alive*

- **Robert Dunham Jr.**  
  *Compassion Matters in the Modern World*

- **Sydney Hutmacher**  
  *Contemplation, Questioning...Action*

- **Darius Rolince**  
  *LGBTQ Discrimination*

- **Morgan Lemons**  
  *The Puppy Mill Epidemic in Northeast Ohio*

One student was selected from the semi-final round to participate in the Inter-Campus Clash on Thursday, April 26, 2018, from 6:30-7:30 p.m. in Science and Nursing Room 101. One student from each of the represented Stark County institutions, including Kent State Stark, Stark State College, Malone University, Walsh University and the University of Mount Union, gave a persuasive speech to win a cash prize and their name and school name on a new trophy.
Thanks to all who have helped make this conference a success, from our presenters and moderators to all those attending.

Special Thanks

Brielle Black
Megyn Bostic
Christine Collins
Demi Edwards
Kim Finer
Robert Hamilton
Erin Hollenbaugh
Fred Hutson
Marie Kaplan
Jimmy Schindewolf
Brad Shepherd
Paul Sommer
Julie Spotts
Lindsay Starkey
Scott Tobias
Haley Walker
Emily Weiss

Kent State University at Stark is the largest regional campus of Kent State University, serving more than 7,250 students each year and offering bachelor’s, master’s and associate degrees, as well as the opportunity to begin coursework in 282 bachelor degree programs at Kent State University. The only public university in Stark County, Kent State Stark is nestled on a beautiful, 200-acre campus in Jackson Township. Combining a top-quality major university with a community-oriented college, Kent State Stark serves our region as a key intellectual resource, providing access to academic, economic and cultural advancement through excellence in teaching and learning.
The largest regional campus of them all, the Kent State University at Stark campus serves more than 7,250 students each year. Nestled on 200 beautiful acres, we are proud to serve the region as a key intellectual resource. We offer more than 25 bachelor’s, master’s and associate degrees across multiple disciplines, along with the option to begin coursework in 280+ programs. Whether it’s classes in our state-of-the-art Science and Nursing building or through our Corporate University, we encourage you to explore more than you thought possible. Here, the world is closer than you think. Right in your backyard.