8 a.m. - 12 p.m.  REGISTRATION  Science & Nursing Building Room 101 Lobby
8 a.m. - 12 p.m.  MORNING PRESENTATIONS  Science & Nursing Building 127, 128, 129, 217
10 a.m. - 10:30 a.m.  POSTER DISPLAYS  Science & Nursing Building Room 101 Lobby
12 - 1 p.m.  LUNCH  Campus Center Emporium Grille
1:15 - 4:10 p.m.  AFTERNOON PRESENTATIONS  Science & Nursing Building 101, 124, 128, 217
2:45 - 3:15 p.m.  POSTER DISPLAYS  Science & Nursing Building Room 101 Lobby

www.kent.edu/stark/student-conference
Welcome to the 2017 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

The annual Student Conference is proudly sponsored by the Kent State Stark Honors Program.

www.kent.edu/stark/honors-program

Thanks to all who have helped make this conference a success, from our presenters and moderators to all those attending.

Special Thanks

Ali Crum
Brielle Black
Keith Carl
Bert Crawford
Demi Edwards
Seth Marcum
Julie Spotts
Haley Walker
Kentryn Weaver
Emily Weiss

Kent State University at Stark is the largest regional campus of Kent State University, serving more than 11,000 students each year, comprised of 6,600 enrolled in academic coursework and 4,500 enrolled in professional development courses, 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. The Conference Center, which houses The Corporate University and the Small Business Development Center, is accredited under the stringent guidelines of the International Association of Conference Centers. 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.

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The Ability of Musca domestica to Sequester Metal into their Prestomal Teeth

Robb Schultz

with an interest in videogame design.

Jake Davis is a first year Kent State Stark student majoring in computer science. His main focuses are programming and 3D modeling, with an interest in videogame design.

Kentlyn Weaver

is a fourth year Biology Pre-med student at Kent State Stark. He works on campus as a math and science tutor and has spent several semesters researching fly and butterfly mouthparts in Dr. Lehnert’s laboratory. Once the larvae emerged as adults, the prestomal teeth were analyzed through EDS using a scanning electron microscope. It has been shown that other arthropods have the ability to sequester metal to specific body regions for increased fitness. To test our hypothesis we raised larvae in three diets with 1 mg, and 0.5 mg of zinc per gram of diet. Once the larvae emerged as adults, the prestomal teeth were analyzed through EDS using a scanning electron microscope.

It was found that with only some instances of benefits of some female products, there is a strong correlation between the use of several different products and the increase in vaginal infection, which can then lead to more major complications. There are alternatives that can be used in place of harmful products, but an overall increase and improvement on information available and education seems to be a key factor in decreasing these potential problems.

Daphnie Neal is a first year student at Kent State Stark. She is completing a major in Criminal Justice studies with an interest in videogame design.

Ellie Camerato is a second-year molecular and cellular biology major, minorring in chemistry and mathematics. Upon graduation, she plans to work in a laboratory setting for a year or two before returning to school to earn a Master’s degree in a biology field of interest to expand her career goals. In her spare time, she enjoys music and spending time with family and friends.

Ellie Camerato is a first year student at Kent State Stark. She is completing a major in Criminal Justice studies with an interest in videogame design.

MORNING PRESENTATIONS

Ellie Camerato

The Effects of Feminine Hygiene and Beauty Products on Vaginal Health

M. domestica (a common housefly) feed on fluids from various substrates. Their proboscis contains prestomal teeth (tooth-like structures), which are thought to function as a tool to expose fluids when feeding. It has been shown that other arthropods have the ability to sequester metal to specific body regions for increased fitness. Therefore, we hypothesize that M. domestica have the ability to sequester zinc into their prestomal teeth for greater rigidity and better access to liquids, which could result in increased fitness. To test our hypothesis we raised larva in three diets with 3 mg, 1 mg, and 0.5 mg of zinc per gram of diet. Once the larvae emerged as adults, the prestomal teeth were analyzed through EDS using a scanning electron microscope.

Kentlyn Weaver is a fourth year Biology Pre-med student at Kent State Stark. He works on campus as a math and science tutor and has spent several semesters researching fly and butterfly mouthparts in Dr. Lehnert’s laboratory. Kent is planning to attend Veterinary school where he will study food animals and potentially enroll in a dual Ph.D program.
Stacey Shelton
128 S&N
Moderator: Lori Wilfong

Abstract: Glorianne Earley is a senior Honors student at Kent State Stark. She is completing a B.M. in music composition. Currently, she is studying composition with Dr. Frank Willey. Following graduation, she plans to attend graduate school to pursue a Master's degree in music composition.

9 - 9:25 a.m.

Stacey Shelton
128 S&N
Moderator: Lori Wilfong

Abstract: Joan Jett’s journey embodied the journey of the Women’s Liberation Movement, also called the second-wave feminist movement, which demanded equal rights for women in both public and private spheres. Joan Jett is known as an icon for the Riot Grrrl Movement, also called the third-wave feminist movement, an underground feminist punk movement that combined feminist consciousness, punk style and politics. Jett and the movement have comparable journeys because they involved women who struggled for equality. Both entities challenged the traditional definition of the word ‘woman.’ Both were slammed by critics who said they did not have the right to self-determination and should be denied equal opportunity because they were women. Through the use of secondary sources to provide context and arguments, I will then use primary sources to provide evidence to the arguments. After applying this methodology, it will be clear how Joan Jett’s journey embodied the journey of the Women’s Liberation Movement. The journeys of the Women’s Movement and Joan Jett are significant to the lives of women because both laid the foundations for the progressive movements and social change of the present day.

Stacey Shelton is a senior at Kent State Stark. She will complete her bachelor’s degree in history this summer. She enjoys listening to music, hanging out with friends, and playing sports when she is not busy with school work.

9 - 9:25 a.m.

Glorianne Earley
Moving the Affections: A Survey of Humilius’ “Unser Vater in dem Himmel”
128 S&N
Moderator: Lori Wilfong

Abstract: A previously well known and loved German teacher and composer of the 18th century, Gottfried August Homilius’ (1714-1785) setting of the “Our Father” – more commonly referred to as the “Lord’s Prayer” – reflects some of the chief aims of music during the Baroque Period: touch the listener’s heart and move their affections. Composed in 1776, “Unser Vater in dem Himmel” contains expressive music and lovely melodies. Alongside these, expressive text-setting achieves elevation of the sacred text by plumbing the depths of its meaning and calling to mind its context. Homilius’ dramatic musical setting brings a richness to the well-known text while urging the listener, or singer, to consider its meaning. The “Our Father” is made more enjoyable alongside the music of “Unser Vater in dem Himmel.” To separate the music and text is possible, but each would lose an ally.

Glorianne Earley is a Senior Honors student at Kent State University. She is completing a B.M. in music composition. Currently, she is studying composition with Dr. Frank Willey. Following graduation, she plans to attend graduate school to pursue a Master’s degree in music composition.

9 - 9:25 a.m.

Gregg Giegel
Lafayette and Washington: How the Marquis de Lafayette was Integral in the Growth of Washington’s Legend
124 S&N
Moderator: James Sellee

Abstract: This paper, in a larger sense, seeks to explain how and in what ways did George Washington’s military record help to influence his growing reputation. The best way to examine this is by looking at his comrades in arms to see how they wrote and spoke about him. A number of prominent figures were present in Washington’s life including men like Horatio Gates and Charles Lee in a purely professional capacity and men like Alexander Hamilton, Nathanael Greene, Henry Knox and the Marquis de Lafayette who worked closely with Washington during his military service and developed a deep personal relationship as well. In particular, the ways in which Marquis de Lafayette, one of the closest members of this inner circle contributed to the legend of Washington is the focus of this work. The Memoirs of Lafayette published in 1837, a short time after his death in 1834, is an excellent way of exploring just how deep the friendship, mentorship and affection was between Washington and Lafayette and also this work. The Memoirs of Lafayette and Joan Jett are significant to the lives of women because both laid the foundations for the progressive movements and social change of the present day.

Gregg Giegel plans to attend graduate school in the hopes of earning a PhD and eventually teaching history.

9 - 9:25 a.m.

Timothy White
124 S&N
Moderator: Brad Shepherd

Abstract: During the Civil Rights Movement, Thelonious Monk became an active advocate for rights while also reaching peak popularity in his jazz career. Not only did he use his career platform to help advocate for change, but he also became well known for his views within the movement. However, historical discussions often stop at stating the actions jazz musicians did to help the movement rather than ever measuring and analyzing the impact that they had. Because Monk did so much for the movement and its culture, it is possible to analyze his actions and measure the impact that they had on Civil Rights culture. Explaining the impact which Monk had can help others to form hypotheses on the link between social movements and artistic expression.

The main problem is that most histories regarding musicians like Monk is that they tend to shy away from commenting on any measurable impact that they may have had on the culture, population, and finances of the Civil Rights Movement. Instead, most histories only focus on the actions themselves and do not analyze much further. Due to an abundance of secondary sources, data and interviews with Monk himself, it is now possible to make inferences regarding a tangible influence he had over the movement.

Using quotes from Monk, it is possible to measure his intentions and how he envisioned his role in the battle for Civil Rights. In addition, Ingrid Monson’s article “Monk Meets SNCC” is rich in primary and secondary sources as well as conclusive data measuring certain outcomes of rallies that Monk played. These measurements include categories like voter registration numbers and money raised at benefit concerts played by Monk. In order to measure the impact from the evidence provided, one must also look at the correlation between Monk’s popularity or the state of his career and the rising involvement of the masses in the Civil Rights Movement.

Once taken into consideration, it is possible to see that Monk’s growing popularity peaks during key moments in the Civil Rights Movement. Likewise, at times of peak tension in the movement, Monk uses his elevated platform for charity to the cause resulting. By being one of many spokesmen for black musicians during the Civil Rights Movement and providing favors in the form of benefit concerts for Civil Rights groups, Monk was able to solidify his position as a Civil Rights activist. Not only did he solidify his position, but he made it possible to measure and argue the impact that his position had on the culture and finances of the Civil Rights Movement.

Timothy White is a fifth year student at Kent State. He is completing a major in History with a Minor in Russian studies. He also has completed a certificate to teach English as a foreign language. After graduating, Tim hopes to either teach English abroad or work at the U.S. Department of State. He enjoys reading, outdoor recreation, music and traveling.

Save the Date!
11th Annual Student Conference
April 26-27, 2018
Kent State University at Stark

Photos from today’s conference will be available next week in our Flickr album:
www.flickr.com/KentStateStark
124 S&N

Abstract: The most commonly accepted idea about World War II is that the United States entered the war because of the attack on Pearl Harbor on December 7, 1941. The truth is that the United States had promised to remain neutral throughout the war, specifically shown with the passing of the Acts of Neutrality in the mid-1930s. President Roosevelt however, was strongly against these acts and believed that the United States should not remain neutral. He also believed in helping the allied powers, those who were allies of the United States, during this time. His staff strongly urged him to put his focus on the United States and the betterment of his country, rather than focusing on what was occurring on another continent. However, Roosevelt knew that there was much of a global issue to ignore. Roosevelt offered an ear to Prime Minister Churchill whenever he needed, and the two talked constantly about the war and how to proceed forward. While the United States passed the last Neutrality Act, Churchill and Roosevelt were talking about the United States Navy learning sonar and the possibility of the United States transporting several ships to the British for use. The objective of this paper is to show that President Roosevelt always intended to go to war. Through the analysis of outside sources, as well as letters from Roosevelt to Churchill, the paper will show that the reason the United States went to war was not, in fact, due to Pearl Harbor, but because Roosevelt knew the United States could not remain neutral and was going to be involved in World War II.

Alexandra Rutkowski is a double major in History and Accounting. After graduation, she intends to find an accounting job before seeking a job that can help her put the skills she possesses for the betterment of others.

3:15 - 3:45 p.m.

Amanda Large

The Modern Purpose of the Scandinavian Goddess Freya

128 S&N

Moderator: Mary Rooks

Abstract: There were many figures that the Scandinavian people looked to for religious purposes. One of those figures was Freya, the goddess of the Valkyries, known for fertility and beauty. She seems to be much unknown and still widely depicted in paintings. She provided dual purposes for the Norse people of both life and death. For many cultures those representations belonged to two separate deities. Fascination with her purpose and tales of her beauty were the source of paintings years later. Concepts of beauty have long been used as propaganda and debated for health reasons, but those ideas came from somewhere. In order to find the source of the Viking influence on beauty, we need to examine their ideal figure of beauty, the goddess Freya, and the fascination that non-Viking Europeans had with her. What cultural concepts of beauty did the Vikings bring with them to the British Isles during the Viking age? Why, or why not, have those ideas and concepts continued and spread? Analyzing imagery long after the Viking age will decipher the answers, and provide some explanations.

Amanda Large is a senior history major at Kent State Stark.

3:45 - 4:15 p.m.

Daniel Muhich

Khrushchev and the Hungarian Revolution: Changing Perceptions of a New Soviet Moderator: Greg Blundell

Abstract: The Hungarian Revolution of 1956 was a nationwide uprising against the communist Hungarian government and, by extension, the Soviet Union, patron state of numerous communist countries during the Cold War. Nikita Khrushchev, the General Secretary of the Communist Party in the Soviet Union, was successor to Joseph Stalin, who led the country until his death in March 1953. Khrushchev was keen to overhaul Stalin's policies at home and abroad, as outlined in his "Secret Speech" before the 20th Congress of the Communist Party in 1956, just months before the outbreak of revolution in Hungary. I propose an examination of the Hungarian Revolution as an event that demonstrated fundamental differences between Khrushchev's approach to leadership, which emphasized collaboration and consultation, and that of his predecessor, Joseph Stalin, whose dictatorial style circumcised opposition to his personal prerogatives as supreme leader of the Soviet Union.

Daniel Muhich is a senior at Kent State Stark. He is completing a major in History in Spring 2017. He plans to attend graduate school, and advance to a career in post-secondary education. In addition to history, his interests include art, literature, and baseball.

9:30 - 9:55 a.m.

Emily Weiss

Weiss: Western Identities Seen and Searched

104 S&N

Moderator: Deidre Warren

Abstract: This past year has provided me with a new perspective on global awareness. Specifically dealing with China and its culture, my goal is to enlighten others about what I have experienced and researched about the eastern identity. Last summer, I had the opportunity to travel to Jiaozhou, China and teach English to people of a variety of ages.Upon returning home, the Honors Program gave me the chance to work with our Chinese students as one of their Conversation Partners. After working so closely with the culture, I decided to create a magazine to showcase how western and eastern identities compare. Highlighting my personal experience, my work with the international students, interviews with current professors and external research, I want to focus on how our cultures are more similar than society makes them to be.

Emily Weiss is a junior Applied Communication major here at Kent State University at Stark. Upon graduation, she plans to take her visual design skills to an international level while incorporating her passions for the arts and helping others. Her other interests include: performing on stage, taking photographs and experiencing new adventures with her family.

9:30 - 9:55 a.m.

Derrick Board

Hall of Fame Village Project

207 S&N

Moderator: Scott Tobias

Abstract: My presentation is on the Hall of Fame Village project. I plan to discuss the impact of the project on the community and on the Hall's mission. I will be examining both the historical impact and the economic impact on the neighborhood, the city, county and region. I plan to speak with representatives from the Hall of Fame, local government and civic agencies, as well as neighborhood residents (if possible) to determine their feeling, opinions and outlook on the project. I will be examining the funding and potential costs to taxpayers, as well as the projected financial and economic benefits to the community. My presentation will include an individual oral report, as well as a visual poster/newspaper project. I plan to include renditions of the Hall of Fame Village, as well as photos of the current progress and possibly graphics of the data behind the Hall of Fame Village project.

Derrick Board is a senior integrative studies major with a double minor in communications and history. He is a father of two: his daughter Brittany is a freshman at the Kent campus, and his son Phillip is a sophomore at Minerva High School. Derrick has several years’ experience working in journalism, marketing, and leadership development and intends to use his degree to further his career in those areas. He is a graduate of Minerva High School, and resides in Louisville... for now.
Kristen Reiter  
Elemental Composition of the Ovipositors of Periodical and Annial Cicadas  
217 S&N  
Moderator: Clarke Earley  

Abstract: Metals, such as zinc and manganese, are found in the cuticle of insect structures that are adapted for cutting or piercing substrates. Termite mandibles, for instance, have metals in the cuticle, which provide increased hardening necessary for chewing on wood. Cicadas are known to oviposit (lay eggs) in woody branches. We hypothesized that cicadas have metals in the cuticle of their ovipositors, increasing individual fitness by strengthening the cuticle to improve successful oviposition into hard wood. Energy dispersive x-ray spectroscopy (EDS) and scanning electron microscopy (SEM) were used to determine the elemental composition of the cuticle of ovipositors of periodical and annual cicadas. We hypothesized that elemental distribution varies among different structures on the ovipositor and between genera. Manganese, calcium, and potassium, and other elements related to cuticle hardness were found in varying concentrations along ovipositors of all cicada species, with greater metal deposits at the distal regions.

Following this presentation, Kristen will have a poster on display from 2:45 - 3 p.m. in the Science & Nursing room 101 lobby.

Kristen Reiter is a graduating senior completing Bachelor’s degrees in Organismal Biology and Biological Anthropology. She will begin her Masters in Entomology at University of Illinois in the fall. Her research focuses on function and properties of small scale structures on insects. Her interests include reading, drawing, film, music, and critters.

2:45 - 3:15 p.m.

Poster Displays  
Room 101 Lobby  

S&N  

Jessica Dudley  
Braconioda and Bryozoa: The Link Between Lineages  
101 S&N  
Moderator: Shelley Blundell  

Abstract: The main objective of this project is to discover supporting evidence that the seemingly different aquatic invertebrates, Braconioda and Bryozoa, are related via a single characteristic feeding organ. The list of organisms that belong to the superphylum Lophotrochozoa is extremely limited, even though their morphologies are vastly different. Through various microscopy techniques, feeding organs are examined and compared as evidence of the link between lineages.

Jessica Dudley is a senior at Kent State and is majoring in Geology. After she graduates she plans to attend graduate school to pursue a degree in Biology. She is very passionate about the workings of the Earth, and is interested in anthropogenic climate change and its effects on biological processes. When she is not busy with school or work, Jessica enjoys kayaking, hiking, and improving her skills at carpentry.

Abigail Erb  
Butterfly Wing Scale Shape: Phylogenetic Relationships or Convergent Evolution  
101 S&N  
Moderator: Clarke Earley  

Abstract: The wings of Lepidoptera (butterflies and moths) are covered with small scales from which the order derives its name. These scales are similar in shape among species and are organized on the wings like shingles. They give the wing its color via pigmentaion or structure. I hypothesized that species from different families of butterflies have different wing scales and structures that allow for the individual to be identified as a specific species. The scales of butterflies represent Mullerian mimics whereas L. archippus and Red-spotted purple butterflies (L. archippus ostynax) are closely related and hybridize. Scale width, length, and protrusion size and number were measured using imagej on scanning electron microscope (SEM) images. Wettability was determined via confocal microscopy with Nile Red, a stain that causes hydrophobic surfaces to fluoresce. Previous studies have revealed that butterfly wings are hydrophobic, I hypothesized that wing scale properties are either shared by species that are closely related or are similarly colored.

Jessica Dudley is a junior at Kent State Stark, majoring in psychology, with a pre-med concentration. She has applied to NEOMED over the winter break, and is hoping to gain acceptance for the fall of 2018.

Stephanie Hershberger  
Parental Presence During Pediatric Care  
2:45 - 3:15 p.m.  

Abstract: As nursing students interested in careers in pediatric nursing, we wanted to understand the implications and evidence-based research behind having parents present during their child’s invasive procedures and how it corresponds to safe nursing practice and improved patient/parent satisfaction. We conducted a literature review of the current research and literature from the last five years, including randomized controlled trials, literature reviews, qualitative descriptive studies and reports of expert committees. We found that the choice for parents to decide whether or not they are present during their child’s procedure corresponded to higher levels of satisfaction with their child’s overall care. While parental presence did not improve the child’s experience, it did allow parents to move from a bystander role into a more active role in their child’s care. Based on our findings, we found there is evidence to change current practices.

Stephanie Hershberger is currently a junior in the nursing program at Kent State Stark. After graduation, she hopes to work in pediatric or obstetric nursing care. Regina and her husband have five children who keep them busy. She enjoys reading, anything home decorating/renovation related and spending time with her family.

Jasmine Hye  
Parental Presence During Pediatric Care  
2:45 - 3:15 p.m.  

Abstract: As nursing students interested in careers in pediatric nursing, we wanted to understand the implications and evidence-based research behind having parents present during their child’s invasive procedures and how it corresponds to safe nursing practice and improved patient/parent satisfaction. We conducted a literature review of the current research and literature from the last five years, including randomized controlled trials, literature reviews, qualitative descriptive studies and reports of expert committees. We found that the choice for parents to decide whether or not they are present during their child’s procedure corresponded to higher levels of satisfaction with their child’s overall care. While parental presence did not improve the child’s experience, it did allow parents to move from a bystander role into a more active role in their child’s care. Based on our findings, we found there is evidence to change current practices.

Jasmine Hye, a third year nursing student, is a mom of three. She believes in a healthy lifestyle and tries to pursue it as much as possible despite the stresses that come along with nursing school. Upon graduation, she plans to pursue a career in the emergency room or pediatrics out of state.

Jessica Dudley is a senior at Kent State and is majoring in Geology. After she graduates she plans to attend graduate school to pursue a degree in Biology. She is very passionate about the workings of the Earth, and is interested in anthropogenic climate change and its effects on biological processes. When she is not busy with school or work, Jessica enjoys kayaking, hiking, and improving her skills at carpentry.

Abigail Erb is a senior nursing student at Kent State Stark. After she graduates, she hopes to obtain a job working as a nurse within pediatrics, and one day obtaining her masters degree to become a pediatric acute care nurse practitioner.

Regina Hershberger is currently a junior in the nursing program at Kent State Stark. After graduation, she hopes to work in pediatric or obstetric nursing care. Regina and her husband have five children who keep their lives busy. She enjoys reading, anything home decorating/renovation related and spending time with her family.

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Fredrick Hutson  
Architects of the Holocaust  
101 S&N  
Moderator: Shelley Blundell  

Abstract: The presentation will be on several of the key architects of the Holocaust, and the key ideas will be based on the events leading up to the beginning of the concentration camp system, specifically Auschwitz. Notable events will include the passing of the Nuremberg Laws, which sought to identify Jews in German occupied territories, the formation of the Einsatzgruppen, or mobile killing units, first formed in Soviet Russia. Living conditions in the camp system will also be explored, in order to include work details, and the gas chambers. The methodology employed by the Nazis to gas millions of Jews during this time will be scientifically broken down. It is widely known that throughout the concentration camp system medical experimentation took place on an unprecedented scale. Several of the major figures involved in conducting these experiments, such as Josef Mengele, will be explored as well as the types of procedures performed.

Fredrick Hutson is a junior at Kent State Stark, majoring in psychology, with a pre-med concentration. He has applied to NEOMED over the winter break, and is hoping to gain acceptance for the fall of 2018.
Abstract: This study examines gender, Moral Foundations Questionnaire scores and political partisanship as they relate to moral dilemmas. MFSQ scores are the result of a moral foundations questionnaire. Moral dilemmas were posed through two trolley problems in which the answer was to either push, or not push either a lever or a person. Males and the politically non-partisan were more likely to make more utilitarian decisions, associated with lower purity scores with MFSQ. Females showed an opposing dilemma solving strategy associating with higher purity scores.

Rebekah Snyder  
Investigation of Minimal Media and Chemical Stress on Antibiotic Sensitivity of Pseudomonas putida and Pseudomonas fluorescens

Abstract: The genus Pseudomonas contains many species that range from harmless commensals to antibiotic-resistant pathogens. The most dangerous group is Pseudomonas aeruginosa, a leading cause of concern as the source of many antibiotic-resistant infections. Pseudomonas putida and Pseudomonas fluorescens were used in this study as they exhibit properties similar to those of P. aeruginosa without the issue of pathogenicity. Previous studies with non-pathogenic organisms such as Escherichia coli and Staphylococcus epidermidis have shown an increase in antibiotic sensitivity when grown in the presence of sodium acetate, a known chemical stress agent, on complex media. This project is designed to study the effects of sodium acetate as the sole carbon source on antibiotic sensitivity of Pseudomonas putida and Pseudomonas fluorescens grown on M9 minimal medium. Antibiotic sensitivity is measured using the standard Kirby-Bauer method.

Rebekah Snyder is a senior at Kent State Tuscarawas, majoring in Veterinary Technology. After she graduates she plans to continue her education with a bachelor’s degree in biology and potentially graduate school. Her interests are in lab animal and large animal research. While not in school she enjoys volunteer work and spending time outdoors.

Courtney Kasturiarachi  
Florence and Forensics: The Importance of Study Abroad

Abstract: This poster presentation will display the importance of travel and study abroad. As a first-year student here at Kent State University, I will have my first opportunity to study abroad this summer at the Florence Institute. This poster includes information from my previous travels to Sri Lanka, Spain and Portugal and the experiences that I have gained. I will especially focus on the culture and unique aspects from each country. In Florence I will be taking a unique new class called, FACES: Human Head Anatomy with a Forensic Art Focus. I will provide the details and pictures from this class that Dr. Linda Sprulock will be teaching this June.

Courtney Kasturiarachi is a sophomore at Kent State University Honors College. She is majoring in anthropology with a concentration in biological sciences (B.S.). After graduation she hopes to obtain her Master’s degree in genetic counseling. Her interests at the Kent Campus are genetics, dance, and activities with her hall council and interhall council communities. Courtney is traveling to Florence in summer 2017 to attend the Florence Summer Institute Program.

Amanda Powell  
Nitrite (NO⁻) and Nitrate (NO⁻³) Productions in Nitric Oxide Synthase (NOS)

Abstract: Nitric oxide (NO) is a product of nitric oxide synthase (NOS). NOS catalyzes the oxidation of L-arginine to form NO. NO plays important roles in the cardiovascular, nervous and immune systems. To form NO, there must be an electron transfer between the oxygenase and reductase domains. The electron flows from NADH to FAD, FMN and the oxygenase domain heme during catalysis. The NO that is released can be further oxidized to form nitrite, while heme-NO complex can also be converted to nitrate. We will focus on the percentage of nitrate and nitrate productions that occur in the three NOS isoforms. Our preliminary data indicated that more nitrate than nitrite was produced in both iNOS and nNOS isoforms. Experiments using NO donor (NOC-18) are still ongoing.

Amanda Powell is a senior majoring in business management and minoring in chemistry. After she graduates, she plans to attend medical school. She enjoys working, playing piano, and taking her dog on walks when she is not busy with school.

Bert Crawford  
Effect of Phytocannabinoids and Endocannabinoids on Ovarian Cancer Cell Proliferation

Abstract: The phytocannabinoids tetrahydrocannabinol (Δ9-THC) and cannabidiol (CBD) and the endocannabinoids anandamide (AEA) and 2-arachidonoylglycerol (2-AG) exhibit antiproliferative effect on cancer cells derived from multiple organs, including thyroid, brain, prostate and breast. Therefore, I hypothesized that ovarian cancer cell proliferation will be also inhibited by these cannabinoids. To test my hypothesis, I carried out the experiments as follows: Subconfluent SKOV3 ovarian cancer cells were incubated with the above cannabinoids in serum-free medium for two days. Subsequently, both qualitative and quantitative methods were used to determine the effects of these compounds on the cells. THC and CBD and R1 methanadamidine (MEA), a metabolically stable analog of anandamide, inhibited cell proliferation and induced rounding and detachment of the cells. 2-AG, however, exhibited no antiproliferative effect. The differential effects of cannabinoids on SKOV3 cell proliferation partly support my hypothesis.

Bert Crawford is a senior at Kent State Stark. He is majoring in biology with a minor in chemistry. He plans on applying to medical school this summer and is currently working on studying abroad in China for the fall. Bert enjoys movies, listening to music, exercising and spending time with his family.

Daniel Casey  
Pokémon GO’s Impact on the Frequency of Face-To-Face Interactions Among Users

Abstract: This research project examined the impact mobile app Pokémon GO has had on its user’s frequency of face-to-face interactions. We wanted to see if the app was encouraging users to interact more with other users. Typically, mobile devices are associated with exclusive and antisocial behaviors. When an individual is using a mobile device, that individual tends to close himself or herself off from the immediate environment and surrounding individuals. Our research found that Pokémon GO actually increased the frequency of face-to-face interactions among users. This has unique implications for mobile apps and technology moving forward.

Following this presentation, Daniel will present from 10:30-10:55 a.m. in Science and Nursing room 104.

Daniel Casey graduated from Kent State Stark in fall 2016 with a BA in communication studies and a concentration in interpersonal communication. During his time at Kent State Stark he acted as the president and founding member of the Kent State Stark Comm Club. Currently, he is looking to attend graduate school in the fall of 2017 to pursue his dream of becoming a college professor. In his free time he enjoys running, rock climbing, reading, and playing video games.
**Fluorescence Microscopy**

**Abstract:** I investigated different types of protists using fluorescence microscopy, namely paramecium, Euglena, and amoebas. Every organism has its own chromosome number. For instance, humans have a chromosome number of 46, or 23 pairs. Paramecium has a chromosome number of 40, Euglena has a number of 45, and amoeba has a number of 500. My main objective was to correlate chromosome number to the relative size of the nucleus for each protist. My hypothesis is that the higher the chromosome number, the larger the nucleus will be.

**Nathan Haas**

**Obstetric Clinical Case Study: A 26-year-old Woman with Placenta Previa**

**Ryan Few**

**Abstract:** Obstetrics is a unique discipline of healthcare in which nurses play a crucial role in the childbearing experience. The labor and delivery nurse is expected to utilize current evidence based practice and think critically to provide safe, effective, patient-centered care throughout the antepartum, intrapartum, and postpartum periods. This case study investigates a 26-year-old, Caucasian female diagnosed with placenta previa and her newborn. We selected this client as the focus of this case study due to her poor prenatal care, high-risk delivery, and psychosocial disorders. The client was diagnosed with placenta previa in her second trimester, allowing us to further explore the condition, including the pathophysiology and symptoms of a low-lying placenta, risk factors associated with its development and the best indicated maternal and fetal treatment. We aimed to gain knowledge about nursing care during the labor and delivery period by studying and analyzing the collected laboratory data, diagnostic tests and results, medications and assessments of the client to formulate nursing diagnoses and interventions to aid in the promotion of a safe and healthy postpartum period. This poster presentation will serve as a visual aid to explore the pathophysiology and care of our client, a high-risk individual, throughout the stages of her pregnancy and delivery, as well as postpartum care and concerns.

**Madison Hoenes**

**Determining Paleodepth by the Examination of Microfossils**

**Abstract:** Foraminifera are an amazing group of animals. Despite their microscopic size, they have had a large impact on our understanding of climate and ocean history. Studying the diversity of Foraminifera, their abundance, and complex morphology, scientists have been able to write crucial theories pertaining to paleoclimatology and paleoceanography. The oxygen isotopes of their tests indicate past climatic conditions. In addition, their speciation and age in the fossil record provide a record of past ocean depths and conditions as certain species occupy particular depths and temperatures. The relationship Foraminifera have with special oceanic environments has made their study a useful tool in locating and extracting hydrocarbons.

**Adam Behringer**

**Madison Hoenes**

**Ryan Few**

**Jennifer Sveda**

**Witches and Working Women: How the “Myth” of the Midwife-Witch Gave Birth to Mid-Midwifery**

**Alex Kiel**

**Abstract:** The European witch-hunt of 1450-1750 CE resulted in the executions of thousands of accused witches and also transformed the psychological, social and cultural landscape of Europe. One significant change is the decline of female midwives in the late 17th century. The ties between midwifery and witchcraft, though cleanly highlighted in anti-witch literature and beliefs, have not been sufficiently explored by historians as a factor contributing to the decline of female midwifery and the subsequent rise of the man-midwife. Rather, historians have dismissed this connection, citing the low number of midwives tried for witchcraft, especially in England, the country studied here. Thus, historians have ignored the pivotal role of internalized cultural beliefs that manifested in distrust and fear of female midwives. This slideshow presentation explains how expectations of midwives, witchcraft beliefs, and the practice of man-midwives interacted to ultimately undermine women’s role as midwives, leading to their replacement with male doctors.

**Nathan Haas**

**is a senior at Kent State Stark who is majoring in Geology. He always loved collecting rocks as a kid and plans to follow his dad’s footsteps in the oil and gas industry after graduation. Nathan likes playing video games, hunting, fishing, auto detailing, and enjoying the outdoors when he is not busy with school or work.**

**Ryan Few**

**is a junior at Kent State Stark majoring in nursing. After graduating with his BSN, he plans to work on student government. Ryan is a member of the Honors College, and serves as Vice President of the Stark Campus Undergraduate Student Government.**

**Jennifer Sveda**

**is a senior at Kent State Stark. She is a History major and is minoring in Art History. After she graduates, she plans to attend graduate school to earn her Masters in Library Science. Between school and work, she enjoys reading, baking, and making crafts.**

**Jennifer Sveda**

**is a senior at Kent State Stark. She is a History major and is minoring in Art History. After she graduates, she plans to attend graduate school to earn her Masters in Library Science. Between school and work, she enjoys reading, baking, and making crafts.**

**Adam Behringer**

**is a junior in the nursing program at Kent State Stark. After graduation, she hopes to work in either obstetric or pediatric nursing, and plans to attend graduate school to become a Nurse Practitioner. She enjoys photography, is a member of the Honors College, and serves as Vice President of the Stark Campus Undergraduate Student Government.**

**Ryan Few**

**is a junior at Kent State Stark majoring in nursing. After graduating with his BSN, he plans to work on an oncology unit. He then intends to continue his education and attend graduate school for a degree as a Nurse Practitioner. He is currently a member of the Honors College at Kent State Stark and is a Front End Coordinator and Cash Office Assistant at the Market District. His interests include bowling, kayaking, playing basketball, and just about anything else outdoors.**

**Madison Hoenes**

**is a senior at Kent State Stark. After graduation, she plans to attend graduate school to pursue her career as an oceanographer studying microfossils with regards to past climates.**

**Jennifer Sveda**

**is a senior at Kent State Stark. She is a History major and is minoring in Art History. After she graduates, she plans to attend graduate school to earn her Masters in Library Science. Between school and work, she enjoys reading, baking, and making crafts.**

**Rylie Woods**

**is a college student majoring in Medical Health and The Jed Campus Program.**

**Abstract:** College students are a population of young adults that encounter their own set of challenges throughout their educational career. One of these challenges is the prospect of mental illness, as it is becoming more prevalent in college students today. Colleges and universities are scrambling to help their students and find solutions to this growing problem. Several programs have been designed to specifically focus on college student mental health, one of which is the Jed Campus Program. The Jed Campus Program follows an all-encompassing structure to assist colleges and universities in improving their mental health programming on campus. The purpose of this presentation is to examine college student mental health and the Jed Campus Program. The main point of this presentation will discuss mental illness risk among college students, challenges that college counseling centers face, the Jed Campus Program and current research that aligns with the components of the Jed Campus Program.

**Rylie Woods**

**is a senior psychology major with a minor in interpersonal communication. She is involved in the Honors Program, BrainStorm (formerly Psychology Club), and has two on-campus jobs as a Campus Ambassador and as a Peer Advocate. After graduating and gaining experience in the field, Rylie plans to attend graduate school to pursue a master’s degree in higher education.**

**Alex Kiel**

**is majoring in psychology and minoring in history. He says, “I really like reading Christopher Hitchens, Thomas Paine, and Sam Harris. I plan on going to graduate school for graduate, but I am not sure for what. I have traveled to over two dozen countries and a dream of mine is to travel to all 7 continents. A quote that has really helped me through life is, ‘Life is 90% what happens to you, and 10% what you do about it.’”**

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**Adam Behringer**

**is a senior at Kent State Stark who is majoring in Geology at Kent State Stark and he is in his senior year. After he graduates, he plans on going to grad school to further his education with a focus on oceanography. I enjoy hiking and being outdoors while at school and as well as his free time. He plans to move out the west or east coast after grad school to pursue his career as an oceanographer studying microfossils with regards to past climates.**

**Jennifer Sveda**

**is a senior at Kent State Stark. She is a History major and is minoring in Art History. After she graduates, she plans to attend graduate school to earn her Masters in Library Science. Between school and work, she enjoys reading, baking, and making crafts.**

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**Abstract:** This video takes a look into how society relates happiness with beauty. We are shown that beautiful people are happy, but that does not mean that to be happy, one must be beautiful. Body acceptance has become a big movement in the past few years, but there is still a long way to go. Pictures of models in magazines, the actors on television, and the people on the runway all influence children and teens - more than one would expect. Unfortunately, eating disorders are prevalent in teens partially due to the slim models seen on the daily. The reason we are told that beauty brings happiness is because it does. Beauty does not always mean the standard seen in magazines, it can mean beautiful scenery, a place you find relaxing or a meal with your family. Beauty is all around us. We need to begin looking for beauty in the places and faces and around us and the beauty in ourselves will shine through. 

Sydney Ziss is a College Credit Plus student in her junior year of high school and first year of college. She is majoring in Engineering Technology and aims to work for a gaming company after graduation. Her interests include art, gardening, and cooking in her free time.

**1:45 - 2:15 p.m.**

**Sydney Ziss**

**SILENT VIDEO: Happiness Presented as Beauty**

101 S&N

Moderator: Brad Shepherd

**Abstract:** From the feared warrior and noble savage to the Indian princess and helpless squaw, American Indians have fallen into constructed stereotypes on film. These constructs, which began with the arrival of Europeans to the New World, eventually formed the ‘Hollywood Indian,’ a culmination of the Native stereotypes represented throughout American film history. Audiences were thrilled with the grand conquests, adventures, and heroes of Western-era films; however, others viewed the films as consistent reminders of defeat, betrayal, and unimaginable loss. Many are familiar with the cultural wrongdoings of Western-era films, but where does the Hollywood Indian live in our modern-day films? How do the films impact society? In my research presentation for the Student Conference, I will analyze American Indian representations in film – and their societal impacts – from 1990 to present. I argue the era, despite its faults carried from earlier Western films, caters to a consumer-driven period for authenticity.

Raya Williamson is a senior at Kent State University at Stark. She is completing a major in marketing and a minor in English and plans to move to Columbus after graduating. Her interests include movies, reading and painting in her free time.

**1:45 - 2:15 p.m.**

**Raya Williamson**

**A Movement for Authenticity: American Indian Representations in Film 1990-Present**

124 S&N

Moderator: Haithem Zourrig

**Abstract:** In this paper, we will explore the roles of NASA’s first official women to join the space program. We will do so not only looking at NASA’s history with women and the history of the six astronauts, but by looking at multiple factors. Who were they? Why were they chosen? Were they chosen for their education or for their job potential? How did they handle the workload of being a woman in the space program change NASA? We will also explore the relationships between the male and female astronauts. How did they get along? How did the social structures (such as sexism and attitudes towards women on the job) of the late 1970s contribute to the relationships? How were the relationships between the class of TNG - between the six women and the 29 men?

By exploring these questions, we will better understand the trials and tribulations women have overcome on the road to gender equality, and have the chance to learn about a moment of women’s history that certainly deserves to have its day in the sun.

Abby Scheiman Brown is a senior at Kent State University at Stark. She is currently completing a major in History with a minor in English and plans to move to Columbus after graduating. Her interests include movies, reading and painting in her free time.

**1:45 - 2:15 p.m.**

**Abby Scheiman Brown**

**The Women of NASA: The Six Women of TFNG and the Effects, Challenges and Rewards of Being Women in the Space Program**

128 S&N

Moderator: Shawn Selby

**Abstract:** Interaction adaptation theory (IAT) seeks to explain how individuals will react in dyadic exchanges based on their expectations, desires, and requirements for that situation. This paper explains the foundations of IAT and examines IAT within the context of cross-sex heterosexual friendships where one or both members of the relational dyad wishes to escalate the relationships level of intimacy. Existing social networks are very influential on relationships likelihood to escalate. Similarly, an individual’s attachment style will also impact their willingness to escalate a relationship. Societal norms also play a role in how individuals expect their relational partners to behave. There are also significant differences between males and females in regards to adaptive behaviors and expectations within a relationship. In general, IAT research should be expanded to the context of different types of established relationships. Most of the existing research focuses on interactions between strangers.

**10:30 - 10:55 a.m.**

**Jacob Dessecker**

**How the Aggression of the Kennedy Administration Played a Major Part in the Soviet’s Building the Berlin Wall**

217 S&N

Moderator: Scott Tobias

**Abstract:** This presentation will be about how the Kennedy Administration played a major part in giving the Soviets a reason to build the Berlin Wall. To prove the reasoning for this, it will be backed up by looking at major events during the Cold War: the Vienna Summit, the aftermath of the Bay of Pigs invasion and the tensions surrounding the Cuban Missile Crisis. Primary sources are used whenever possible to support the argument presented.

Jacob Dessecker is a first-year student at Kent State but a fourth year student overall. He is completing his degree in History. After Jake graduates he plans on going back to school and receive his teaching certificate. As he plans on being a high school history teacher and coach sports. In his free time, Jake enjoys hanging out with friends, playing basketball, and being around his family.

**10:30 - 10:55 a.m.**

**Nicholas Abel**

**The North American Free Trade Agreement**

128 S&N

Moderator: Claudia Gomez

**Abstract:** This present paper will discuss the "North American Free Trade Agreement," widely known as NAFTA. It will first talk about the history of NAFTA, why it was created, and who was affected by its creation. Then the presentation will describe how NAFTA works and what the rules and regulations are for the agreement and how it is used in today’s world. My presentation will further highlight the criticisms of this free trade as pointed out by a section of economists. In conclusion, the future of the NAFTA will be delineated. Specifically how things may end up changing and the effects of potential new policy changes on NAFTA.

Nicholas Abel is currently majoring in accounting as a first year student at Kent State Stark University. In the future, he plans to stay in Ohio and work for an accounting firm or for a business. In his free time, he enjoys golfing and playing basketball.
Valerie Kramer

Isometric Growth Pattern Between Cabbage Butterfly (Pieris rapae) Larval Head Capsule Sizes and Bite Size

Abstract: Many species of butterfly larvae feed on vascular plant material, such as leaves, using mandibular mouthparts adapted for chewing through these materials. Larval growth is classified in terms of instars, which are separated by ecdysial events, where the larva molts its outer skin, including a head capsule that contains the mandibles. As larval instars progress in number, the larva and head capsule increase in size. I hypothesized that as the head capsule size increased, so would the bite size of the larva, producing an isometric relationship. Cabbage butterfly (Pieris rapae) larvae were fed a new cabbage leaf each day and the bite size on the leaf was quantified for each instar using confocal microscopy. After each molting event, the head capsule was collected and imaged with scanning electron microscopy and measured with ImageJ software.

Following this poster display, Valerie will present from 11:30 a.m. - noon in Science & Nursing room 124.

Valerie Kramer is a junior at Kent State Stark completing a major in Organismal Biology. She is the president of the campus Biology Club and is currently an Undergraduate Research Assistant studying various aspects of butterfly mouthparts. Valerie published one of her research projects in the Journal of the Lepidopterists’ Society in the Fall of 2015 and is working towards a second publication before she graduates. After graduation, she plans to attend graduate school for Conservation based Bio-mimicry.

FOREIGN LANGUAGE GROUP

101 S&N
Moderator: Paula Santo

Leslie Wood
Health Care in Uruguay

Abstract: I would like to do a brief presentation in Spanish about the health care system in Uruguay. It is a slightly expanded version of a speaking exercise from Intermediate Spanish II, dealing with Uruguay’s universal system of health care and insurance coverage. I will also make some brief comparisons with the current health care system in the United States, as well as some universal coverage systems from other major countries.

I initially took interest in this topic because of the culture section of the chapter we were covering in class. Also, my major is sociology with a concentration in medical sociology, and I am currently taking the Sociology of Health and Health Care, so I have had the opportunity to further research the health care system in Uruguay in relation to those in other countries for a comparative analysis project.

Leslie Wood is a senior at Kent State Stark. She is completing a B.A. in sociology with a concentration in medical sociology. She will begin the doctoral program of sociology at Kent State in the fall of 2017. She hopes to teach at the college level in the future, as well as perform social research primarily in the realm of health care and gerontology.

Gregg Giegel
Les lieux et les choses célèbres de la Normandie (The famous places and things of Normandy)

Abstract: In this French language presentation, the region of Normandy and some of its most prominent landmarks are explored. Particular attention is paid to structures and events from the medieval period, a tumultuous time in Normandy’s history. The numerous fortifications and castles present in Normandy that were built by the Normans and later, the English, as well as the French, are the primary focus of the presentation. Some of the visited sites include: the abbey at Mont-Saint-Michel, the towns and cities of Caen, Rouen and Bayeux and a number of the aforementioned castles throughout the region. Viewers interested in travel or simply viewing a presentation in French may find this presentation useful and enjoyable. The wide variety of architecture present in the region is also examined.

1:15 - 1:45 p.m.

124 S&N
Moderator: Tanya Vulanovic

Samuel Vidovich
Lie Group Variational Integrators and Applications to Flight Control

Abstract: On February 22nd of this year, following an aborted mission on the 22nd, the unmanned SpaceX capsule Dragon successfully delivered 5,500 pounds of supplies to the International Space Station. Thrust control of a spacecraft such as Dragon is an active and evolving area of research in the field of aerospace engineering. Recent decades have seen the development of techniques for simulation of spacecraft attitude control known as Lie group variational integrators.

In this project, I implement Lie group variational integrators as well as optimal control strategies for a spacecraft. Primary software development was done in C++ with output visualization handled by Mathematica. The spacecraft simulated is a faithful approximation of publicly released SpaceX designs for the Dragon; including mass, inertia matrix, and thruster placement. In this poster are presented some of the mathematics used in the modeling as well as some visualizations of simulated test flights.

Samuel Vidovich is a junior at Kent State Stark. He majors in Applied Mathematics with a concentration in statistics. After he graduates, he will attend graduate school to study Applied Data Science. He enjoys mathematics, especially linear algebra and matrices, reading, working on cars and programming.

1:15 - 1:45 p.m.

127 S&N
Moderator: Melissa Bauer

Seth Marcum
Losing Your Voice

Abstract: Over the last 100 years, you have been losing your voice simply for the sake of political convenience. Our Congress is delegating much of its power to the Executive Branch, threatening the Separation of Powers. The Supreme Court, unwilling to address the issue, adopted the Intelligible Principle Test without addressing the constitutionality of the delegation of power. This presentation explains the Judicial History which allowed Congress to delegate away its powers. It provides proposed solutions to weaken Congress’ ability to delegate away our voice and to allow us to hold Congress accountable for controversial decisions they would rather delegate away.

Seth Marcum is a Senior Business Management student pursing a minor in History. Next fall he plans to attend Akron Law focusing on Business and Constitutional Law. His major interests of study are related to administrative law and its impact on the states and individuals. He enjoys traveling with his fiancé and friends whenever possible.
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- 1 Honors course

**Interested?**

Contact Dr. Leslie Heaphy at lheaphy@kent.edu or 330-944-3304.

**Angela Karavas**

Las Ciudades en Chile: Valparaíso y Viña Del Mar

**Abstract:** In this presentation, I will provide a brief description of various aspects of two coastal cities in the country of Chile. The two cities that will be discussed are Valparaíso and Viña Del Mar. Several places of interest when traveling to each of these cities will be included in the presentation. There will also be information pertaining to a musical event, an international song festival, which takes place every year in Viña Del Mar.

Angela Karavas is a senior guest and is currently taking intermediate Spanish ll. She enjoys studying Spanish and is planning to travel to Spain in the near future.

**Kathryn Reiter**

El Parque Nacional Torres del Paine

**Abstract:** In my presentation, I will discuss El Parque de Torres del Paine, a National Park in Chile. The park is one of 11 protected wilderness areas of the Magallanes Region and Chilean Antarctica, which combined make up 51% of that region. It is one of Chile’s largest and its third most visited national park. There are a variety of surroundings found in the park including, mountains, valleys, lakes, rivers and glaciers. An edition of *National Geographic* named El Parque de Torres del Paine the fifth most beautiful place, and El Parque was also named the eighth Wonder of the World in 2013. At El Parque, tourists are able to camp, trek, kayak, go on horseback riding tours, ice walk and even bird watch. El Parque de Torres del Paine is a very important place of interest in Chile and it should continue to be preserved for its marvelous beauty.

Kathryn Reiter is a senior majoring in criminology and justice studies with a minor in pre-law. She plans to go on to law school and hopes to practice constitutional law. She is considering a future in politics where she can help to make the world a better place. In her free time, she enjoys listening to music and spending time outdoors.

**Nicolas Curtis**

Argentine Immigration (1890-1914)

**Abstract:** Throughout my honors course, I have been conducting research and synthesizing a report of my findings regarding immigration to Argentina between the years 1890 and 1914. My research especially surrounds the effects of these immigration groups on Argentine culture and the economic prosperity during this period. Cause and effects of different racial and ethnic migrations to Argentina will also be discussed in order to understand the effects at a greater level. During the presentation, I will give a general review of my findings as well as enlighten the audience on current Argentine culture. I will also explain reasons I chose this topic as my Independent Study and how it will proliferate my success throughout my school career and my strides towards a degree in Spanish.

Nicolas Curtis is currently a sophomore, majoring in Spanish with a minor in education. He enjoys language as a whole, including musical expression and is working on learning a third language right now. He hopes to apply his skills as a high school teacher and eventually a professor.
11:30 a.m. - Noon
Kara Kimevski
Using Cognitive-Behavioral Therapy to Prevent Suicide in Youth
217 S&N
Moderator: Leslie Heaphy

Abstract: Suicide is highly prevalent among youth, and it is a topic that needs to be publicly addressed. Suicide is an unfortunate occurrence in the United States. My 20 minute oral presentation will discuss using cognitive behavioral therapy (CBT) to prevent suicide in youth, particularly in adolescents with depressive symptoms. CBT is a research-based psychotherapy that works on taking negative thoughts and behaviors and turning them into positive ones. By changing thoughts, it is possible to change behaviors. I will address what CBT is and three different studies that show the effectiveness of CBT. Each study uses CBT in different ways; by showing different techniques, it allows comparing and contrasting of the different methods. The presentation will also discuss why teenagers attempt suicide and statistics about suicide in adolescents. Warning signs of suicidal thoughts will also be presented because it is important to recognize the signs before it is too late.

Kara Kimevski is a senior psychology major at Kent State Stark. She plans to go to graduate school and study school counseling. She enjoys reading, spending time with her family, and hanging out with her friends when she is not busy with school.

Noon - 1 p.m.
LUNCH IN THE CAMPUS CENTER EMPORIUM GRILLE

Located in the Campus Center, the Emporium Grille is the place to go for a great cup of coffee, a meal or a quick snack while on campus.

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