SHOWCASE of Student Scholarship

2016

PROGRAM of Events

April 20th, 2016

poetry & music
art & media exhibits
poster & oral presentations

This event has been co-sponsored by the Institute of the Science and the Environment, Academic Affairs, and Student Affairs
WELCOME MESSAGE FROM THE PRESIDENT

It’s my pleasure to welcome you to Mansfield University’s sixth annual Showcase of Student Scholarship. Today, we celebrate outstanding examples of undergraduate research and creative work from many different academic programs across our campus. As a small public liberal arts institution, and Pennsylvania’s only member of the Council of Public Liberal Arts Colleges, Mansfield University is committed to supporting our students as they conduct research and produce creative work in collaboration with their faculty mentors. Our commitment to scholarship is embodied in our Mansfield Creed, which states that "the Mansfield University community will foster a life of intellectual curiosity, celebrating the creation and dissemination of new ideas. We will embrace the use of rigorous, responsible, and critical inquiry to understand, acquire, and share knowledge. We apply what we learn by recognizing that each of us is both student and teacher engaged in the continuous pursuit of learning."

The "continuous pursuit of learning" lies at the very heart of a liberal arts education. As you encounter the wide variety of undergraduate research and creative work we celebrate in Alumni Hall — including poster displays, art and media exhibits, poetry readings, individual and group research presentations, and musical performances—I encourage you to ask questions, share ideas, and make connections. For it is through this kind of engagement with each other that we become a true community of scholars, seeking to better understand, and improve, our world.

Francis L. Hendricks, ’79
Brigadier General, USAF (Retired)
President, Mansfield University
Program of Events
April 20, 2016

Welcome by Provost Steven Siconolfi at 12:45 p.m. in Alumni Hall 307

POSTER PRESENTATIONS: SESSION I - Room 307 - 9:00 a.m. - 1:00 p.m.

Andrew Putt - Biology/Geosciences

Media-facilitated Bioreactors for Iron Reduction in Acid Mine Drainage - This poster describes the current in-progress research to develop a bioreactor to replace the inefficiencies of passive vertical flow treatment ponds in mine drainage remediation. The process utilizes microbial techniques to precipitate iron and reduce the footprint of treatment, increasing applicability for passive on-site applications.
Faculty Sponsor - Dr. Jeanne Kagle

Emily Hooker, Tristin Rounds, Samuel Sutton, Jenna Townsend, Hannah Darrenkamp, Katlynn McDaniels - Psychology

The Effect of Victim Impact Statements on Juror Verdict - Researchers examined the effects of victim impact statements (VIS) on verdict decisions and sympathy reactions among mock jurors. Results indicate that VIS favoring the death penalty were significantly more likely to influence jurors to rule in favor of the death penalty. VIS also increased reactions of unhappiness and vengeance toward the defendant.
Faculty Sponsor - Dr. Karri Verno

Chelsey Gavin - Psychology

Does Hair Length Influence the Hiring Process? - The experiment examines how women’s hair length influences the hiring process. It was predicted that women with short hair would receive higher ratings and salary for management positions, whereas women with long hair would receive higher ratings for customer services positions. Results showed that women with longer hair are viewed as more professional than those with shorter hair.
Faculty Sponsor - Dr. Gretchen Sechrist

Adam Leister - Geosciences

New Techniques for 3D Mapping the Mansfield University Campus - The 3D mapping research project was established in order to use new technology to enhance maps and mapping experiences here on the Mansfield University Campus. With the implementation of different platforms, including web and virtual reality-based three-dimensional mapping techniques, new frontiers have been opened in the way we experience the world.
Faculty Sponsor - Dr. Andrew Shears

Jesse Olson - Geosciences

Tioga County Cemetery Mapping Project - The Tioga County Grave Mapping project is a multi-faceted project being led by the Mansfield University Geosciences Department. The goal of this digital humanities project is to create an online, searchable database of cemetery and grave locations in Tioga County, PA, for public use.
Faculty Sponsor - Dr. Andrew Shears

Jesse Olson, Cecil Cooper - Geosciences

Application of Ground Penetrating Radar in Clandestine Grave Surveys - This research conducts a GPR survey in the Brookside-Rexford Cemetery, where a mass grave of infants from 1918 influenza outbreak were interred without coffins. The survey was conducted using 100 and 500Mhz antennas in 4-50 x 50 foot grids. Data was post-processed using GPR-Slice, an imaging software that produces 2D and 3D images.
Faculty Sponsor - Dr. Lee Stocks
Cecil Cooper, James Tice, Courtney Baker - Geosciences

**Creating a Web Mapping Application for Reporting Abandoned Wells** - This presentation will detail the development of a web-based mobile friendly mapping application designed to crowdsource locations of newly discovered abandoned gas and oil wells within Tioga County, PA. This app will also allow for field teams to verify locations of abandoned gas and oil wells. As data is collected from crowdsourcing and verified by field teams, the sites are added to the larger Abandoned Wells database. Faculty Sponsor - Dr. Andrew Shears

Joseph Mandeville - Chemistry

**Detection of Dissolved Gases from Water Sources** - With the Marcellus Shale drilling in Pennsylvania, there has been a concern for the ecological effects on water sources from contaminants like natural gases (methane). This research is looking at optimizing the method for detecting and quantifying methane in water sources to be implemented for future water quality studies. Faculty Sponsor - Dr. Michele Conrad

Alyssa Gardner - Special Education

**Use of Pictorial Stimuli in Autism Spectrum Disorder Classrooms** - Using pictorial stimuli in the classroom with students with autism will not only facilitate and build communication skills, but also avoid problem behaviors by giving them the materials and skills to share their wants and needs before it becomes an issue. Through survey responses received from staff in area school districts, we are able to see how this stimuli is used in the classrooms and how this affects the students. Faculty Sponsor - Dr. Michele Moore

Rachel Runner - Geosciences

**Precision Soil Samples: Shaute Baseball Field** - This poster describes the results of precision soil sampling conducted across Shaute Baseball Field. Soil samples were tested for pH value and nitrogen content. The results were used to create contour maps that illustrate the variability of pH and nitrogen content in the soil of Shaute Baseball Field. Faculty Sponsor - Dr. Linda Kennedy

Christopher Oliver-Nez, Larissa Bernecker - Geosciences

**Comparing Diatom Assemblages of Three Creeks in Tioga County, Pennsylvania** - Diatoms have been regularly used as bioindicators of water quality assessment on surface waters. Diatom samples were taken from three creeks in Tioga County during the spring of 2016. Data derived from the assessment study showed a difference between diatom assemblages in high quality waters and impaired waters. Faculty Sponsor - Dr. Linda Kennedy

James Tice, Courtney Baker - Watershed Management

**Completed Map of Abandoned Wells Tioga County** - The Abandoned Wells project was created to map the locations of the orphaned and abandoned wells in Tioga County. There are an estimated 200,000 such wells in Pennsylvania for which locations remain unknown, which provide a significant safety hazard to area residents, the local environment, and to the oil and gas industry as it drills new wells. Results will be submitted to the DEP’s well-plugging program. Faculty Sponsor - Dr. Andrew Shears

Harashia Crawford - History

**The Basketball Life of Wilt Chamberlain** - This poster presentation will be about Wilt Chamberlain. Chamberlain was one of the best basketball players of all time. He was born in Philadelphia, PA on August 21, 1936. Chamberlain played in the National Basketball Association for fifteen years. He set so many records that still are not beaten today. Faculty Sponsor - Dr. Karen Guenther.
**POSTER PRESENTATIONS: SESSION II - Room 307 - 1:00 p.m. - 5:00 p.m.**

Regan Parshall, Brooke Miller, Mari Rowley - Psychology

**The Effects of Nightly Gratitude on Dreaming and Sleep Quality** - In this research, the effects of positive emotionality, induced via manipulation of gratitude, on dreaming and sleep quality were examined. Results showed the gratitude group differed from the control group on four emotional states when they woke up feeling greater amounts of excitement, exhilaration, interest, and enjoyment/joy than did the control group. Faculty Sponsor - Dr. Francis Craig

Brooke Gottwald - History/Political Science

**On the Frontlines of the North Korean Refugee Crisis: An Assessment of the UNHCR** - This paper assesses the independence of the United Nations High Commission for Refugees (UNHCR) and its ability to function effectively. The focus is on North Korean refugees fleeing into China, and it highlights the ways in which major powers on the UN Security Council inhibit the effectiveness of the UNHCR. Faculty Sponsor - Dr. Jeffrey Bosworth

Angela Kilyan - Chemistry

**Effectiveness of Pre-Lab Videos** - The Organic Chemistry course, instructed by Dr. Kiessling, has been using online videos instead of the traditional Pre-Lab lectures for relevant laboratory instruction. Students in both lab sections have been participating in anonymous Pre-Lab quizzes to determine whether or not the videos have had any impact on their learning. Faculty Sponsor - Dr. Anthony Kiessling

Emily Galligan, Sommer Gaydos, Dana Mahini, Carrie McSurdy - Criminal Justice Administration

**Delinquent Behavior Proposal** - This study, part of a hypothetical research project, examines correlates of juvenile delinquency, including peers, neighborhood characteristics, demographics and family structure. A quantitative methodology and survey instrument were utilized for data collection purposes. A discussion and conclusion are offered. Faculty Sponsor - Dr. Justin Crowl

Ian Rathbun, Eric Hofer - Geosciences

**Multi-Platform Mapping of the Mill Cove Environmental Center** - This project consists of two prongs: laying a foundation of geospatial data for current and future student research at Mill Cove Environmental Center, and creating an interactive online map for the center’s use. Faculty Sponsor - Dr. Andrew Shears

Shelby Dunning - Sociology/Anthropology

**Media's Influence on Body Image** - What constructs our idea of beauty? What is it that makes us feel whether or not our own body is beautiful? College students were surveyed in a quantitative study on how the media influences body image. The survey that these students receive addresses five different forms of media that are most commonly used amongst today's college students: magazines, television/movies, radio/music, internet, and video games. Faculty Sponsor - Dr. Janice Purk

Maggie Kastenhuber, Lindsey Smith - Elementary and Special Education

**The Effect of Adding a Dry Towel to a Dryer with a Wet Cotton T-shirt and the Time It Takes for the T-shirt to Dry** - Energy efficiency is a major concern for the future of our nation. In most households, electric dryers are extreme energy guzzlers and ways to conserve energy are needed. In this experiment we found that adding a dry towel to the dryer with a wet t-shirt decreased the drying time by an average of 10 minutes. Faculty Sponsor - Dr. Michele Whitecraft

Tavis DeLong - Geosciences

**Contaminants of Emerging Concern** - Pharmaceuticals are contaminants of emerging concern as they adversely affect fish and amphibian populations. Water samples were collected from local waterways on a monthly basis during Fall 2016 and analyzed by Agilent Technologies. A variety of pharmaceuticals were identified in effluent waste water released into the Tioga River. Faculty Sponsor - Dr. Linda Kennedy
Sierra Blake - Sociology/Anthropology

**Relationships and Family Structure** - Family structure impacts relationships with your parents, but divorced families get the added effects on their relationships with their parents throughout their life. The research was done with a survey and the key findings were that individuals whose parents divorced had worse relationships with their fathers. Faculty Sponsor - Dr. Janice Purk

Emily Edwards, Megan Terrel - Chemistry

**Marcellus Shale Drilling and Well Water Quality in Tioga County** - Since the advent of hydraulic fracturing in Pennsylvania, monitoring residential well water quality has become increasingly important. The work done in this research aimed to track the impacts of the Marcellus Shale gas drilling in Tioga County. A variety of potential contaminants were examined in conjunction with EPA limits. Faculty Sponsor - Dr. Michele Conrad

Martin Holdren - Chemistry/Mathematics

**Synthesis and Analysis of Glycerol Menthonide Isomers** - The isomers of Glycerol Menthonide were investigated in this research. These isomers have been previously prepared, but the chemistry of them has not been analyzed. Due to the six possible isomers being formed in the synthesis, only one such isomer was to be isolated and investigated. The synthesis and analysis were confirmed by multiple types of instrumentation. Faculty Sponsor - Dr. Anthony Kiessling

Nicole Semenza - History

**The Guadalcanal Campaign: The Major Turning Point of the Pacific Theater** - The Guadalcanal Campaign was a six-month battle fought in the Pacific Theater of World War II. This project examines the reasons why the campaign was the turning point of the Pacific Theater and how the allies benefited from winning this campaign. Faculty Sponsor - Dr. Karen Guenther

ORAL PRESENTATIONS - Rooms 312 & 317 - 1:00 p.m. - 3:30 p.m.

**Room 312 - 1:00 p.m. - 3:30 p.m.**

Adrian Peery - English - 1:00 p.m. - 1:15 p.m.

**The Extended Other: Trusty Calhoun in Charles Johnson’s Middle Passage** - By examining the internalized oppression that makes Rutherford Calhoun’s acceptance of the role of trusty possible, and the way Johnson’s controlling metaphor of the Republic reinforces that role, I explain why Calhoun remains a static character because of the constraints on his personality that are imposed by his internalized inferiority. Faculty Sponsor - Dr. Lynn Pifer

McKenzie Bedford - History - 1:15 p.m. - 1:30 p.m.

**Perry’s Victory: The Battle of Lake Erie** - This oral presentation will discuss Perry’s remarkable win at the Battle of Lake Erie. It will focus on the role that Pennsylvania plays in the war of 1812. The presentation will explain the buildup of war, an analysis of the battle, and finally the aftermath. Faculty Sponsor - Dr. Karen Guenther

Kirsten Anderson - History - 1:30 p.m. - 1:45 p.m.

**Henry Bouquet** - Henry Bouquet was a Colonel in the British Army during an event called Pontiac’s war, and he is most known for his victory at the battle of Bushy Run. He was a very important figure in Pennsylvania’s history; without him, the people of Pennsylvania would have lost everything. Faculty Sponsor - Dr. Karen Guenther
The Whiskey Rebellion - Between 1791 and 1794, during what would later be called the Whiskey Rebellion, the farmers of Western Pennsylvania resisted the newly imposed Whiskey Tax. This started passively and soon escalated into incidences of public humiliation against the tax collectors and the burning of property. President Washington personally led the state militias into Pennsylvania to stop the rebellion. His actions solidified the power of the federal government over the states. Faculty Sponsor - Dr. Karen Guenther

Inaccessible to Man: Little Round Top - The Little Round Top defensive position was vital to the success of the union during the Battle of Gettysburg, and the most significant geographic location on the battlefield. Faculty Sponsor - Dr. Karen Guenther

“The Problem With Body Shaming” - “The Problem With Body Shaming” is a creative non-fiction piece about my journey of acceptance in the way that I look, and a call to change others’ perceptions of those who are overweight. Faculty Sponsor - Lilace Guignard

ISIS and the Legion of Doom - A paper exploring the potential danger that cooperation between terrorist organizations ISIS and Boko Haram would present to the western intelligence and counter-terrorism communities. Faculty Sponsor - Dr. Jeffrey Bosworth

Highland Chocolates (Partners In Progress) - On Wednesday, March 16th, five students from the class, Communities and Organizations, conducted a fundraiser for Highland Chocolates, a subgroup of Partners In Progress. Our goal was to raise money for the factory so they can continue to employ adult individuals with intellectual disabilities and also bring awareness. Faculty Sponsor - Dr. Mary Daly

Comparing the Macroinvertebrate Assemblages of Mill Creek and Cabin Creek - We sampled the macroinvertebrate communities in Mill Creek and Cabin Creek to assess their health. Four families, including two mayfly families, were significantly different between the streams. We also compared macroinvertebrate communities in the riffle, run, and pool habitats within Mill Creek, and eight families were significantly different. Faculty Sponsor - Dr. Steven Stein

MU60 Video Blasts - MU60 is committed to producing professional 60-second video blasts that are designed to inform alumni about recognizable accomplishments of members from Mansfield University. MU60 video blasts will do an oral presentation and present their clips from MU 60 episodes that have been recorded and released thus far. Faculty Sponsor - Dr. Sue Young
Identification of Bacterial Iron Oxidizers for Acid Mine Drainage Treatment - Iron-oxidizing bacteria isolated from a mine drainage vertical flow treatment pond were analyzed in BLAST. Species with the highest percent identity to the iron-oxidizing isolates showed coding for proteins utilized in iron acquisition and metabolism, indicating the importance of bacteria and the microbial community in the oxidation of dissolved iron. Faculty Sponsor - Dr. Jeanne Kagle

The Effects of Ethylene Glycol when Introduced to Corn and Soybeans - In this study, an application of ethylene glycol was added to both plants while heights and health were recorded to determine any effects. The basis of the findings were proven to be insignificant as the control groups and plants with solutions perished. Faculty Sponsor - Dr. Robert C. Maris

The Interaction between Goldenrod and Leaf Rust - Leaf rust is a common parasitic fungus that relies on the pine tree as its primary host and goldenrod as its secondary host. The project investigated the interaction between leaf rust and goldenrod. Faculty Sponsor - Dr. Steven Stein

The Effect of CO2-addition on the Biofluorescent Intensity Response of Lobophyllia hemprichii - Biofluorescent research has only recently been conducted on coral reef systems. It is safe to say that the ecologic importance of such an intrinsic quality is still widely unknown. I investigated the relationship between the large polyp stony coral, Lobophyllia hemprichii’s, fluorescent intensity properties after CO2-addition so to mimic the anthropogenic stressor that is ocean acidification. Fluorescent intensity was measured using confocal microscopy techniques and through ImageJ analysis. Faculty Sponsor - Dr. Robert C. Maris

The Effects of Low Levels of Ciprofloxacin on Pseudomonas fluorescens - The effects low levels of antibiotics have on selecting for resistant bacteria in the environment are not well known. The effects of different ciprofloxacin concentrations on the growth rates of resistant and susceptible Pseudomonas fluorescens strains were studied. Competition between the two strains in the absence of antibiotic was also assayed. Faculty Sponsor - Dr. Jeanne Kagle

The Psychological Factors in Reducing Non-Violent Recidivism and its Implications for Positive Social Change - The purpose of this presentation is to examine why our nation has such high recidivism rates for non-violent offenders. Social, psychological and individual factors contributing to offender recidivism will be discussed, as will methods and programs to reduce recidivism. Faculty Sponsor - Dr. Gretchen Sechrist

Effects of Premarital Counseling on Engaged and Married Couples - The focus of this presentation is to discuss the pros and cons to premarital counseling and to demonstrate why and how it is effective. Faculty Sponsor - Dr. Gretchen Sechrist
Amelia Young - Psychology - 3:15 p.m. - 3:30 p.m.

**Do Animals Experience Cognitive Dissonance?** - Cognitive dissonance has been largely studied throughout the field of psychology. This phenomena involves inconsistencies we experience internally. The aim of this review is to assess current research on animals in regards to experiencing this phenomena. Using research on the effort justification and post-decisional dissonance paradigms, I will show that animals do experience cognitive dissonance. Faculty Sponsor - Dr. Gretchen Sechrist

**Poetry - 307 Alumni Hall - 11:30 a.m. - 1:00 p.m.**

Kristine Ferg - Graphic Design/Art History

**A Poetic Collective** - A reading of personal and academic works. Faculty Sponsor - Kenneth Cobb

Rachel Roupp - English

**Familiar Fractures** - The poems in this series are “Bloodline,” “Mazie’s Mirror,” “Shared Shame,” and “Waxing Crescent.” These poems focus on the way that our childhood memories and perceptions of the world change as we age. Some of the topics that this collection covers include domestic abuse, sexual assault, and body image. Faculty Sponsor - Lilace Guignard

Miranda Peery - English

**Outside** - A collection of three poems exploring marginality and the environment. Faculty Sponsor - Lilace Guignard

Emma Lynch - Computer Information Science

**Rain Fall** - Sitting on the back porch contemplating a rain storm. Faculty Sponsor - Lilace Guignard

Riley Thomas - English

**Subjects You Can't Silence** - This selection of poems explores the subjects many people try to silence regarding women’s issues or social justice and the justice felt in a person’s heart. Faculty Sponsor - Lilace Guignard

Emily Brown - English

**Mommy** - A poem about a daughter’s fear of her mother’s depression. Faculty Sponsor - Lilace Guignard

Michael Lombardo - Liberal Studies

**Behind Blank Eyes** - A poem mimicking the Fibonacci Sequence (Perfect Sequence) in its syllables. This poem deals with imperfection while being placed perfectly in line. Faculty Sponsor - Lilace Guignard

Adrian Peery - English

**The Spring I Was Seven** - A poem called “The Spring I Was Seven”. Faculty Sponsor - Lilace Guignard

Molly Safreed - Mass Communications

**Yellow Boots** - A poem in sestina form written for the Advanced Poetry class. Faculty Sponsor - Lilace Guignard

Ivy Bruch - Psychology

**On the Wall** - A poem that is called “On the Wall” is about a broken heart. Faculty Sponsor - Lilace Guignard

Amber Lloyd - English

**Rape-Culture Shitfest** - The poem is a commentary on rape-culture in villanelle form. Faculty Sponsor - Lilace Guignard

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*Showcase of Student Scholarship*
Kelly McDivitt - English

**Adam's Folly** - A poem of creation stories. Faculty Sponsor - Lilace Guignard

Seven Van Nort - English

**Exulansis** - The selection of poems being read are from the Chapbook entitled “Exulansis”. The poems are about people and the different connections, relations, and experiences I have had with them based on my perspective as an aroflux person. This Chapbook is the final project for my Advanced Poetry Writing class. Faculty Sponsor - Lilace Guignard

Zachary Minnier - Secondary English Education

**Brighter** - Derived from William Carlos Williams's poem “This is Just to Say,” this poem was created while I observed students practicing to edit their poetry for Creative Writing. The theme was writing an “apology poem” wherein the speaker was not really apologizing. “Brighter” deals with exceeding limitations set by others. Faculty Sponsor - Dr. Michele Whitecraft

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**Music Performance / Electronic Music / Electronic Media - 307 Alumni Hall - 1:00 p.m. - 3:00 p.m.**

Brass Quintet Selection (s) - Music Performance

**Just a Closer Walk**, traditional, arr. Don Gillis (approximately 3.5 minutes) - Traditional African-American gospel song often used in New Orleans funeral processions, often performed by hired bandsmen. This arrangement includes a slow, somber verse/chorus depicting the procession of the body from the church to the burial site, and a more lively return from the cemetery, celebrating the life of the deceased. Faculty Sponsor - Dr. Nathan Rinnert

Tayana Woodton - Music Performance

**Bach Cello Suite no. 3 in C Major, Prelude** - J.S. Bach (1685-1750) wrote 6 suites for unaccompanied cello. When he wrote them, they were mostly intended to be studies. In the early 20th century, Spanish cellist Pablo Casals did the first well-known performance of the cello suites. Since then, they have evolved into a highly important part of every cellist’s repertoire. Faculty Sponsor - Zachary Sweet

Adam Dodge, Sommer Kosko, Brandon Clemson - Music Technology

**Electronic Music Compositions** - Presentations of electronic music compositions from Electronic Music, MU3313, class. These pieces are either musique concrete pieces that use real sounds that are processed and mixed together with computer generated sounds to create a sound college or synthesized versions of baroque classical music. These were the result of two projects assigned in Electronic Music class. Faculty Sponsor - Dr. Andrew Walters

Breanne Eisenhardt - Graphic Design

**Let It Go** - Video project work from the Graphic Design class, “Design Theory & Practice.” The class involves producing a semester long self-defined project. My project is a music video based on performing a cover song combined with original video clips. Video clips were staged and visually processed to fit the mood and music. The audio components were recorded in a home bathroom modified for sound quality. The program Audacity was used to edit the sound. The visual elements were composited using Adobe After Effects. Faculty Sponsor - Nicholas Economos

Timothy Crane - Graphic Design

**Jason vs. Freddy 2** - Video project work from the Graphic Design class, “Moving Image and Sound.” The assignment involved creation of original video and sound based on the structure of an existing commercial movie title sequence. This work was made with original video and audio recording and still images from public domain. The audio and visual elements were composited using Adobe After Effects. The content uses recordings of my son, Jack, playing both Freddy and Jason for this imaginary sequel to the commercial film. Faculty Sponsor - Nicholas Economos
**Showcase of Student Scholarship**

**Art Exhibits / Maps / Virtual Reality - 314 Alumni Hall - 9:00 a.m. - 3:00 p.m.**

Kristine Ferg - Graphic Design/Art History

**For the Love of Art** - A collection of sculpture, printmaking, and digital arts. Faculty Sponsor - Kenneth Cobb

Emory Davies - Graphic Design

**Boating Trip, Art is Sacred, Guitar** - Three representational drawings created using ink and charcoal applications in the Fall ART 2248 Drawing course. Each drawing visually explores the surrounding area and personal interests through material and textural expressions. Faculty Sponsor - Kenneth Cobb

Chris Carlsen - Business Administration

**Handmade Sake Sets** - I love many Asian cultures, including those that create handmade Sake sets. So, I have challenged myself to create a chilled sake and hot sake set to show the difference between them as well as how the form and temperature of the pieces change the flavor/taste of the Sake. Faculty Sponsor - Dr. Alan Bennett

Jonathan Lingle - Computer Information Science

**Handmade Clay Vessel** - Two hand thrown, ceramic, covered jars that have been glazed. One hand-thrown, ceramic teapot that has also been glazed. Faculty Sponsor - Kenneth Cobb

Derek Witucki - Graphic Design

**Onashi: The Persisting Downpour** - A woodcut inspired by “Onashi: Sudden Shower.” The print was produced by cutting lines into a block of special hardwoods, which is inked and then hand-rubbed to transfer the image. Color is added to unique editions with an acrylic wash. Faculty Sponsor - Kenneth Cobb

Adam Leister - Geosciences

**Tapping the Potential of Virtual Reality** - Virtual Reality is a recently developing field that is now disrupting the cartography and mapping disciplines. With the use of Oculus Rift and Google Cardboard, Virtual Reality is quickly becoming easy for public use. This exhibit illustrates the uses of Virtual Reality in the field of Geosciences (GIS). Faculty Sponsor - Dr. Andrew Shears

Eric Hofer, Ian Rathbun - Geography

**A 3D Raised Relief Map of the Mill Creek Watershed** - This is a 3D printed raised relief topographic map of the Mill Creek Watershed in northeastern Tioga County. The map was produced as part of a larger research and service project creating geospatial data and online maps for the mission of the Mill Cove Environmental Center and in support of other student research at that site. Faculty Sponsor - Dr. Andrew Shears

Chad McKay - Graphic Design

**Handmade Clay Vessel** - This piece was produced as part of the Mansfield University Ceramics curriculum. This is a coil pot made in a nontraditional way. Rather than wrapping coils up solely in a circular manner and leaning the coils visible, I chose to construct pieces individually as coiled slabs and then proceeded to assemble the box base. Upon the square structure I then coiled in the traditional way. After completion of coiling, I smoothed out the surface and carved our the spaces. Faculty Sponsor - Kenneth Cobb

Jesse Olson - Geography

**Physiographic Regions of Pennsylvania** - A map of Pennsylvania landform regions that incorporates modern cartographic technique to achieve hill shaded topography and clearer symbology, updating a public domain map produced in 1989 by the Department of Conservation of Natural Resources. Faculty Sponsor - Dr. Andrew Shears
Luke Coleman - Graphic Design

**Celtic Tapa Cloth** - This piece is a tapa cloth created with several Celtic knot patterns, as well as other more geometric designs. This piece was an assignment for the Printmaking course, and is 30” x 22”.

Faculty Sponsor - Kenneth Cobb

Christopher Martin - Graphic Design

**December 15, 2015, January 27, 2016 and February 12, 2016** - These are abstract acrylic paintings on paper. The name of the pieces comes from the day they were painted on. It takes only five to ten minutes to paint each piece, whereas it takes about that much time or longer to setup the work area. Faculty Sponsor - Kenneth Cobb

Seven Van Nort - English

**Creativity Takes Courage** - The selection of photographs being displayed are from the photography exhibition entitled “Creativity Takes Courage.” They are inspired by Jeanloup Sieff, a black-and-white fashion photographer who had an affinity for capturing the artistic nature of the naked human body.

Faculty Sponsor - Martha Campbell

Samuel Schaar - Graphic Design

**Thrown** - Over my past 8 years researching form vs. function of my pottery, I believe I am finally beginning to find my style which I have portrayed in the form of thrown vessels on a potter’s wheel. This semester has yielded some of my best work from teapots, vases, and sets of various kings. Within my research of form and function, I have begun to research glazes and different kinds of firings to bring out the most within my work. Faculty Sponsor - Dr. Alan Bennett

Samantha Dixon - Graphic Design

**Beehive** - Hand crafted pottery done from learning new techniques. Faculty Sponsor - Dr. Alan Bennett

Spring 2016 Ceramic Group

**Pixelated Mountain Fountain** - Collaborative ceramic group project for community purposes. Faculty Sponsor - Dr. Alan Bennett
A Celebration of Mansfield University’s
Student Research and Creative Achievements

“Show What You Know!”

This event was coordinated by John Ulrich, Interim Dean of Arts and Sciences, and Gretchen Sechrist, chair of the MU Council on Undergraduate Research.

Thank you also to President Francis Hendricks, Provost Steven Siconolfi, Interim Dean Nancy Sidell, the Council on Undergraduate Research, Lilace Guignard and The Institute of Science and the Environment, Wanda LaBar, Tammy Hagar, Cathy Martin, MU Facilities, MU Printshop, and Sodexo.

Special thanks to Kenneth Cobb and Kristine Shabe for volunteering to design the poster and program cover and to Sheila Kasperek for coordinating the digital version of the Showcase.

Mansfield University is a member of the Council of Public Liberal Arts Colleges (COPLAC).