



Carolyn M. Small
Honors Program

Fall 2015
November 20th
8 am – 4 pm

Carolyn M. Small Honors Program

Fall 2015 Symposium

Thank you to all judges, advisors and students for all of the hard work that you have put into this year's Honors Symposium. Without you, this event would not have been possible.

All posters will be displayed from 9:00 AM-4:00 PM in Hubbard Banquet Room in Serrick. Presenters will be available for questions during the 60 minute time slots shown within. Also, the number that appears in brackets is the poster location number.

The oral presentations will be held in the Buchman Board Room every half hour beginning at 9:00 AM and ending at 4:30 PM.

The electronic presentations will be held in Serrick Room 216 every half hour beginning at 8:00 AM and ending at 4:00 PM. Presenters will be available for question during the 30 minute time slots shown within.

There will also be a showing of the documentary "The Storm Makers" at 12:00 PM in the Cultural Arts Room. This Constitutional Conversation will be led by four McMaster Cambodia Scholars, and will include a short discussion following the film.

**denotes a member of the Carolyn M. Small HONORS Program.*

Congratulations to all presenters at the Fall Honors Symposium!

Oral Presentations
Buchman Board Room

9:00 AM- Madeline Homan

9:30 AM- Mason Gross

10:00 AM- Thomas Brownell

10:30 AM- Jordan Blank

11:00 AM- Katie Haydett & Arlen Stoller

11:30 AM- Haley Walchle

12:00 pM- Ashley Tompkins

12:30 PM- Oshin Walker

1:00 PM- Mackenzie Durdak

1:30 PM-Ceresa Page

2:00 PM- Kollin Spence

2:30 PM- Kenny Miller

3:00 PM- Catlyn Pavel

3:30 PM- Toni-Ann Ledgister

4:00 PM- Meredith Shank

Poster Presentations

Hubbard Banquet Room

9:00AM

Taylor Haydinger
Rebekah Groden

Alexis Walker
Keira Grandey

Megan Davis

10:00AM

Zack Bires
Corinna Gebers

Elizabeth Pienoski
Alyson Seibert

Logan Scott

11:00AM

Jeremy Verhoff
MacKenzie Combs

Nathan Height
Courtney Alexander

Ashlyn Deming

12:00PM

Ashley Williams
Noah Beach

Jacob Vicic
Mark Goebel

Laura Lutzke

1:00PM

Tabitha Del Carmen
Christina Gebers

Joseph Niehaus
Adam McGinnis

Zane Hayes

Poster Presentations Continued

Hubbard Banquet Room

2:00PM

Remick Pearson

Brooke Waidlich

Bradly Matson

Spencer Gray

Denique Dennis

3:00PM

Catherine Tilman

Jessica Crigger

Katie Haydett

Zach Roush

Stephanie Houston

Constitutional Conversation

Cultural Arts Room

12:00PM

Nathan Height, Cormack Lazarus, Ceresa Page & Elizabeth Pienoski -*The Storm Makers*

The Storm Makers is a documentary on the across-borders human trafficking in Cambodia. Illustrated as the modern day slave trade, agencies recruit young Cambodian women and export them out of the country into terrible working conditions. *The Storm Makers* follows Aya, a former sex slave, as well as two of the "storm makers" that are leaders in Cambodia's human trafficking business.

Electronic Presentations

Serrick 216

8:00AM

Emma Bedan- Accommodation Services for Children with Learning Disabilities
Presentation Advisor: Professor Michelle Blank

Deanna Bischoff- The Graduation Rate for Children in Foster Care
Presentation Advisor: Professor Michelle Blank

Sam Burdine- Personal Causes and Effects of Public Speaking Anxiety
Presentation Advisor: Professor Michelle Blank

Dylan Conant- How Do Concussions Affect You?
Presentation Advisor: Professor Michelle Blank

Madysyn Creighton- The Effects of Energy Drinks on Athletes' Performance
Presentation Advisor: Professor Michelle Blank

DeAnte Evans- The Effects of Weight Cutting
Presentation Advisor: Professor Michelle Blank

Kody Fuller- Pay-for-Play in College Athletics
Presentation Advisor: Professor Michelle Blank

Jared Green- College vs Going to Work
Presentation Advisor: Professor Michelle Blank

Cole Harshberger- Police Work and Deadly Force
Presentation Advisor: Professor Michelle Blank

Henok Jones- The Benefits of Music
Presentation Advisor: Professor Michelle Blank

8:30AM

Madison Mansfield- Feasible Treatment for Classrooms with ASD Students
Presentation Advisor: Professor Michelle Blank

Alyssa Mlot- The Debate Over Standardized Testing
Presentation Advisor: Professor Michelle Blank

Drake Moening- Harmful Additives Versus Healthy Organics
Presentation Advisor: Professor Michelle Blank

Jennifer Repka*- What is it good for, do robots dream of sweet emotion? - An explanation into the possible cognitive and human like programming to allow autonomous machines to develop emotions and morals.
Presentation Advisor: Professor Michelle Blank

Kayla Rethmel- The Effects of Divorce on Adolescents
Presentation Advisor: Professor Michelle Blank

Nick Starosta- The Effect of Texting on School-Aged Children
Presentation Advisor: Professor Michelle Blank

Grant Vickery- How Do Concussions Affect Your Body?
Presentation Advisor: Professor Michelle Blank

Colin Whitesell- The Changing Dynamic of the Economic Value of Higher Education
Presentation Advisor: Professor Michelle Blank

Kevin Woodmore- Disease Control in Africa
Presentation Advisor: Professor Michelle Blank

Brandon Zartman- Discrimination of Women in India
Presentation Advisor: Professor Michelle Blank

Xavier Blyden*- The Effect of Religious Affiliations on Undergraduates Choice of Major
Presentation Advisor- Professor Amy Drees

9:00AM

Liam Armstrong*- Transgender Relationships Through Transition
Presentation Advisor: Professor Jeff St. Onge

Michaela Bauer*- Injured Ligaments' Effect on Performance
Presentation Advisor: Professor Jeff St. Onge

Billy Bruhn- The Trojan Horse is the Greatest Myth in History
Presentation Advisor: Professor Jeff St. Onge

Amy Chappius- Depression: The Effect on Lives of Aging Patients
Presentation Advisor: Professor Jeff St. Onge

Tanner Clingaman*- Wealth and its Effect on Society
Presentation Advisor: Professor Jeff St. Onge

Tyler Davie- Pitching Motion, Arm Fatigue, and Injuries
Presentation Advisor: Professor Jeff St. Onge

Kole Douglas*- The Relationship between Firearm Homicide Rates and Homicides Committed with Unregistered Firearms
Presentation Advisor: Professor Jeff St. Onge

Mac Edwards- Making Fighting in Hockey Safer
Presentation Advisor: Professor Jeff St. Onge

Aerica Firman- Dog Behavior vs. Human Behavior
Presentation Advisor: Professor Jeff St. Onge

Michael Gilliland- The Effect of Violent Video Games on Children
Presentation Advisor: Professor Jeff St. Onge

Cody Harsman- The Effects of Background Music on Productivity in the Workplace
Presentation Advisor: Professor Jeff St. Onge

Alex Hayden- Doctor Who's Connection to Our World
Presentation Advisor: Professor Jeff St. Onge

9:30AM

Lea McCoy*- Police Depictions in the Media and How it Affects their Ability to Do their Jobs
Presentation Advisor: Professor Jeff St. Onge

Caitlyn Meyers- Stress and Shaken Baby Syndrome: A Correlation Study
Presentation Advisor: Professor Jeff St. Onge

Marquis Miller- Knowledge of Concussions in Three Levels of Football
Presentation Advisor: Professor Jeff St. Onge

Layne Neal- Acute Ankle Sprain Rehabilitation in Competitive Athletics
Presentation Advisor: Professor Jeff St. Onge

Paige Sickmiller*- The Use of Technology in Early Childhood Classrooms
Presentation Advisor: Professor Jeff St. Onge

Brady Sloan- How Entrance Exams Predict Success in Nursing School Students
Presentation Advisor: Professor Jeff St. Onge

Sean VandeWiele- The prolonged effects of concussions
Presentation Advisor: Professor Jeff St. Onge

Brooke Vollmer- Depression: An Active Role in College Students
Presentation Advisor: Professor Jeff St. Onge

Teresa Watkins- 3D Interactive Technology in Education
Presentation Advisor: Professor Jeff St. Onge

Jeffrey Watson- The Effects of R-Rated Movies on Society's Youth
Presentation Advisor: Professor Jeff St. Onge

Kaytie Williamson- Difficulty Learning Sign for a Person with Autism Spectrum Disorder
Presentation Advisor: Professor Jeff St. Onge

Jarod Woodland- The Positive Effects of Music on College Students
Presentation Advisor: Professor Jeff St. Onge

10:00AM

Andre Adderly- Are Sports becoming more of a job or is it still a game that Athletes love?
Presentation Advisor: Professor Somnath Dutta

JB Braxton- Causes of Ankle injuries in basketball.
Presentation Advisor: Professor Somnath Dutta

Dalin Brown- Sports drinks and their affect on Athletes
Presentation Advisor: Professor Somnath Dutta

Javier Castillo- The use of steroids in professional sports
Presentation Advisor: Professor Somnath Dutta

Andrew Fahler- How concussions affect athlete's career
Presentation Advisor: Professor Somnath Dutta

Casey Helton- Effectiveness of male vs female teachers in seventh grade instruction
Presentation Advisor: Professor Somnath Dutta

Montgomery Irvine*- Positive effects of exercise with childhood cancer
Presentation Advisor: Professor Somnath Dutta

Ely King*- Time management skills of student athletes versus non-athletes
Presentation Advisor: Professor Somnath Dutta

Maizy Lepkowski- Effect of Autism on Families with low education
Presentation Advisor: Professor Somnath Dutta

Rolando Martinez- Concussions in the NFL and the lasting effects of them
Presentation Advisor: Professor Somnath Dutta

April McKenzie- The prosecution of human traffickers: How education in the legal systems and victim services yield results

Presentation Advisor: Professor Somnath Dutta

Devin Meyer- Does Physical Education Improve High school students overall GPA

Presentation Advisor: Professor Somnath Dutta

Alex Miday- The effect of Macular Degeneration on Daily Life

Presentation Advisor: Professor Somnath Dutta

Zach Morris- Repeat criminal behavior by inmates

Presentation Advisor: Professor Somnath Dutta

Josiah Nichols- Effect of concussion on soccer players

Presentation Advisor: Professor Somnath Dutta

10:30AM

Derek Rupp*- How habitat impacts tiger reproduction

Presentation Advisor: Professor Somnath Dutta

Haley Saylor- The Effects of Advertising on the Banking Industry in an Underdeveloped Community

Presentation Advisor: Professor Somnath Dutta

Claire Stockwell*- How has technology on diagnosing concussions advanced throughout the past few years

Presentation Advisor: Professor Somnath Dutta

Savontre Vaughn- Physical and Emotional discipline and how they affect children

Presentation Advisor: Professor Somnath Dutta

Joe Webb- Effective and non-effective ways of healing a fractured scaphoid bone

Presentation Advisor: Professor Somnath Dutta

Maicie Wheeler- Cause of childhood obesity and who or what is to blame for it

Presentation Advisor: Professor Somnath Dutta

Garrett White- Effects of Advertisement on high school kids

Presentation Advisor: Professor Somnath Dutta

Jordyn Worley- Effect of retirement on Depression and Anxiety

Presentation Advisor: Professor Somnath Dutta

Dallas Yost- Overall effect of diet in athletes

Presentation Advisor: Professor Somnath Dutta

Caleb Graff- Concussions: more serious later
Presentation Advisor: Professor Richard Healy

Ring Lardner- Does aggression in kids increase by playing violent video games?
Presentation Advisor: Professor Richard Healy

Tyler Alexander- Diseases in Africa
Presentation Advisor: Professor Richard Healy

Nick Rath- Should companies allow employees to exercise on work time?
Presentation Advisor: Professor Richard Healy

11:00AM

Da'Ja Askew*- Child sexual abuse: the perspectives of sexual orientation and effects of mental conditions
Presentation Advisor: Professor Richard Healy

Corey Bennett- Is concussion protocol effective?
Presentation Advisor: Professor Richard Healy

Cody Brown- Effects of a pre-workout supplement and warm up in correlation to the positive effects gained physically and physiologically
Presentation Advisor: Professor Richard Healy

Tim Coons*- The perception of the legal drinking age among young adults
Presentation Advisor: Professor Richard Healy

Megan Greene- Stress: how men and women react in college
Presentation Advisor: Professor Richard Healy

Hannah Hesterman*- What is the most effective treatment for heat loss in feedlot cattle?
Presentation Advisor: Professor Richard Healy

Noah Mikan- Rap music and its influence on juveniles to use violence and drugs
Presentation Advisor: Professor Richard Healy

Valentin Mojica- The relationship between violent crime and substance abuse
Presentation Advisor: Professor Richard Healy

Jalin Nealy- Effects of concussions in college football players
Presentation Advisor: Professor Richard Healy

Jordan Osborne- The effects of Disney movies on gender roles and how young girls understand these roles
Presentation Advisor: Professor Richard Healy

Amie Ricksecker*- Positive outcomes of homeschooling
Presentation Advisor: Professor Richard Healy

12:00pm

Shaylee Carson- The long term effects of childhood abuse
Presentation Advisor: Professor Richard Healy

Matt Meyer- Is physical activity or healthy food more important in fighting childhood obesity in schools?
Presentation Advisor: Professor Richard Healy

Mason Rapp- Have BBCOR bats become safer?
Presentation Advisor: Professor Richard Healy

Anthony Adamic- Advancing Education in Grades K-3 Through Information Technology
Presentation Advisor: Professor Amy Drees

Beau Barkley- College Men Replacing Dating with Hooking Up
Presentation Advisor: Professor Amy Drees

Jenn Bechtold
Presentation Advisor: Professor Amy Drees

Javi Bixler- Effect of Multiple Concussions on college athletes brain activity
Presentation Advisor: Professor Amy Drees

Devin Bolden- The Effects of First Hit Concussion on D1 Football Players
Presentation Advisor: Professor Amy Drees

DQ Butler- The Cause of Poor Preparation of African American Males for College
Presentation Advisor: Professor Amy Drees

Cody Coles- How Is GPA Affected By Participation In Collegiate Level Athletics
Presentation Advisor: Professor Amy Drees

Morgan Connor- Causes of Depression During Post-Injury Recovery in College Athletes
Presentation Advisor: Professor Amy Drees

Makayla Cook- The Effects of Athlete Endorsements of Foods on Families
Presentation Advisor: Professor Amy Drees

Dom Gentile
Presentation Advisor: Professor Amy Drees

Tyler L'Heureux

Presentation Advisor: Professor Amy Drees

Joshua Whitfield

Presentation Advisor: Professor Amy Drees

12:30pm

Lix Cousino- Parental Anxiety Carries over to Offspring

Presentation Advisor: Professor Amy Drees

Cody Festge- How Tests and Medicine can Help Prevent People from Obtaining Post Traumatic Stress Disorder

Presentation Advisor: Professor Amy Drees

Keri Hupp- Do Older Athletes have an Advantage when Participating at the Collegiate Level

Presentation Advisor: Professor Amy Drees

Kathryn Inboden- Peer Acceptance Among People with Autism

Presentation Advisor: Professor Amy Drees

Jamie Kimbler- The Effect that Physical Activity Plays on Intellectually Disabled Athlete's Strength

Presentation Advisor: Professor Amy Drees

Amanda Main- Alcohol leads to domestic violence

Presentation Advisor: Professor Amy Drees

Jon Mielke- Neglect as the Major Form of Abuse in the Causation of Intergenerational Child Abuse amongst Parents in the United States

Presentation Advisor: Professor Amy Drees

Clay Musgrave- The Effects of Post-Traumatic Brain Injury and Concussions on Retired Athletes

Presentation Advisor: Professor Amy Drees

Brooke Plummer*- The cause of the decreased quality of care given in nursing homes

Presentation Advisor: Professor Amy Drees

Evan Prenger- Military Technology Causes Changes in Needed Troop Sizes

Presentation Advisor: Professor Amy Drees

Danielle Vance

Presentation Advisor: Professor Amy Drees

Cayla Walker*- The Effect of High Intensity Basketball Practices on Stress Fractures in High School Athletes

Presentation Advisor: Professor Amy Drees

1:00pm

Bryce Albata- Youth players that participate in baseball improve decision making and physical aspects

Presentation Advisor: Professor Amy Drees

James Baranski

Presentation Advisor: Professor Amy Drees

Allie Barron- Differences in elbow and shoulder injuries in collegiate baseball and softball pitchers

Presentation Advisor: Professor Amy Drees

Madison Bennett- How having technology in the classroom can affect students worldwide

Presentation Advisor: Professor Amy Drees

Bobby Black

Presentation Advisor: Professor Amy Drees

Dalton Bradford- The effect of the Special Olympic training on the oral health of athletes

Presentation Advisor: Professor Amy Drees

Gina Coffman- Adoption from Foster Care Rates and their Correlation to State's Promotion Systems

Presentation Advisor: Professor Amy Drees

Brittany Coressel- The effects of social media on social skills with face-to-face interactions

Presentation Advisor: Professor Amy Drees

Paris Creek- Causes of arm injuries in professional and collegiate baseball pitchers

Presentation Advisor: Professor Amy Drees

Blake Dunbar

Presentation Advisor: Professor Amy Drees

1:30pm

Jackie Hartman- How Social Media Affects the Relationships between Professional Sports Organizations and their Fans
Presentation Advisor: Professor Amy Drees

Jenny Holbrooks- The Connection of Paranormal Experiences With the Diagnosis of a Mental Health
Presentation Advisor: Professor Amy Drees

Brittany Keller- The Side Effects from Child Sexual Abuse and how they Differ with Gender
Presentation Advisor: Professor Amy Drees

Beau Massingill*- The Effect Mental Toughness has on the Success of an Athlete's Rehabilitation, and Return to Sport Following a Knee Injury
Presentation Advisor: Professor Amy Drees

Justin Mersch- Technology Leads to a Decrease in Human Social Interaction
Presentation Advisor: Professor Amy Drees

Ray Ramos- The Effects of Social Media on Teen Depression and Suicide Rates
Presentation Advisor: Professor Amy Drees

Nate Roberts
Presentation Advisor: Professor Amy Drees

Melissa Stratton
Presentation Advisor: Professor Amy Drees

Aimee Sweet- Helping children and spouses of military families with psychological issues
Presentation Advisor: Professor Amy Drees

Damion Tall- The Effects professional athletes have on Children during Charity events
Presentation Advisor: Professor Amy Drees

Rachel Wehrman- The effects of high-stakes testing on learning for students and teaching for teachers
Presentation Advisor: Professor Amy Drees

Emmalyn Wooley- Study of spousal abuse which occurs in India for various reasons
Presentation Advisor: Professor Amy Drees

2:00pm

Justin Berquist- Is American History Education Effective?

Presentation Advisor: Professor Colby Carroll

Maddie Erb- What is the relationship between age and crime?

Presentation Advisor: Professor Colby Carroll

Daren Gies*- How does rhythm affect runners?

Presentation Advisor: Professor Colby Carroll

Ty Goodwin- Football Injuries and Long term effects

Presentation Advisor: Professor Colby Carroll

Jared Guerra- How Social Media can be used to in criminal investigation?

Presentation Advisor: Professor Colby Carroll

Elliott Gunderman- How the use of social media and the web can affect communication and growth of relationships?

Presentation Advisor: Professor Colby Carroll

Brennan Hammond- How are youth sports related injuries being prevented or reduced?

Presentation Advisor: Professor Colby Carroll

Chad Haven- Job Globalization and Offshoring effects on the job economy in the United States

Presentation Advisor: Professor Colby Carroll

Cody Hicks- How concussions affect athletes long term

Presentation Advisor: Professor Colby Carroll

Tanner Hughes- The effects of concussions at the collegiate level

Presentation Advisor: Professor Colby Carroll

2:30pm

Troy Konwinski- What role does the DH play in the MLB

Presentation Advisor: Professor Colby Carroll

Aaron Leciejewski- cancer rates among firefighters

Presentation Advisor: Professor Colby Carroll

Hunter Massingill*- effects of concussions on football players

Presentation Advisor: Professor Colby Carroll

Amy Miller*- Does our society breed mental illness?

Presentation Advisor: Professor Colby Carroll

Amanda Mohawk- Is there a link between gaming and depression/anxiety?

Presentation Advisor: Professor Colby Carroll

Megan Overmann*- Importance of International Travelling and Studying Abroad

Presentation Advisor: Professor Colby Carroll

Anna Sneary- The difference between physical and logical extraction from a mobile device

Presentation Advisor: Professor Colby Carroll

3:00pm

Paul Briner- Cultural ethics of the colonization of Mars vs the commercialization of the colonization of Mars

Presentation Advisor: Professor Colby Carroll

Wyatt Cadmus- Corelation between violent videogames and aggression, and the possible effects

Presentation Advisor: Professor Colby Carroll

Josh Camp- How music affects the brain and learning

Presentation Advisor: Professor Colby Carroll

Andrew Coons*- What is the usage of the anonymity network Tor by college students?

Presentation Advisor: Professor Colby Carroll

Addy Cooper- The long term effects concussions have on high school and collegiate athletes

Presentation Advisor: Professor Colby Carroll

Nick Eberly- The effects of concussion to football players in high school, college, and the NFL

Presentation Advisor: Professor Colby Carroll

Reeka Edwards- What are the causes, effects and possible solutions of female oppression in India?

Presentation Advisor: Professor Colby Carroll

Eli Elliott- Concussion reporting among high school athletes.

Presentation Advisor: Professor Colby Carroll

Mathan Grubmaer- The Effects of Comic Books on Popular Culture

Presentation Advisor: Professor Colby Carroll

3:30PM

Brandon Knapp- Long term concussion effects in the nfl
Presentation Advisor: Professor Colby Carroll

Devin Logan- Ways to prevent concussions in college football athletes?
Presentation Advisor: Professor Colby Carroll

Hunter Loudin- Effects of concussion in football
Presentation Advisor: Professor Colby Carroll

Victoria Mueller*- Prison systems: What best reduces recidivism and is best for the prisoners themselves.
Presentation Advisor: Professor Colby Carroll

Haley Powers- Internet addiction/procrastination in children and Adolescence and treatment
Presentation Advisor: Professor Colby Carroll

Isaiah Ross- Appearance as a prime or deterrent for altruism
Presentation Advisor: Professor Colby Carroll

Sherri Schenkel- What is the right treatment process for a Salter Harris fracture?
Presentation Advisor: Professor Colby Carroll

Colby Sears- The effects on technology on social skills
Presentation Advisor: Professor Colby Carroll

Tyler Showalter- How to prevent concussions in college football
Presentation Advisor: Professor Colby Carroll

Marissa Windau- The effects of global warming on ocean ecosystems
Presentation Advisor: Professor Colby Carroll

Oral Presentations

Buchman Board Room

9:00AM

Madeline Homan* - Effective Methods for Teaching Clean Water Use, Sanitation, and Hygiene in Developing Countries
Presentation Advisor: Professor Mary Ann Studer

In developing countries, only one out of three school systems have access to decent toilets. 1.1 billion individuals, approximately 17 percent of the world's population, do not have access to safe water and 400 million children worldwide have worms. Along with that, 272 million school days are lost each school year due to diseases caused by these issues worldwide. The importance of educating children as well as parents about water, sanitation, and hygiene is vital to improving classroom attendance and learning as well as the health of those communities. The effectiveness of teaching techniques vital to a community's health is sometimes negatively impacted by cultural norms and traditional practices. Several techniques for teaching sanitation, hygiene, and the importance of clean water use will be discussed as I prepare to implement these methods once on-site in Belize.

9:30AM

Mason Gross - Is the United States prepared for an international threat in the 21st century?
Presentation Advisor: Professor Elcin Haskollar

My presentation discusses the topic of if the United States of America's style of warfare is effective and if the United States is prepared for a significant international threat. Through my research I have found numerous sources with validity on this topic. This topic is important to the United States citizens because terrorism and asymmetrical warfare is quickly becoming one of the biggest threats the United States has ever seen and the expectation is it is only going to grow. The United States is a very wealthy country which correlates with becoming a prime target for terrorist acts. My presentation examines and analyzes how the United States has dealt with asymmetrical warfare and the use of it by countries and terrorist organizations in the past. It also looks into how prepared the United States is for the many different war tactics that are being used in the present day. If the United States is not prepared, its citizens could see major repercussions. These repercussions could range anywhere from an abundance of dead innocent civilians to having the whole country turn into a war zone.

10:00AM

Thomas Brownell - Terrorism and Immigration in the United States Post 9/11
Presentation Advisor: Professor Elcin Haskollar

The purpose of this paper is to examine the extent to which immigration policies can increase national security in the United States by examining various terrorist groups and immigration statistics to determine if there is a link. Through analysis of research conducted on the topics of terrorism and immigration, this paper will demonstrate that immigration policies and terrorism policies are closely related, and that current immigration policies are not doing enough to inhibit extremists from entering the country. Policies should be changed to prevent terrorists and suspected terrorists from entering the U.S.

10:30AM

Jordan Blank* - Duty to Humanity: Is Ignorance a Choice?
Presentation Advisor: Professor Elcin Haskollar

This presentation focuses on Global Issues and the duty we have to our fellow humans to become involved in those issues. The main topic of the presentation is ISIS, as it is the most prevalent issue of our time. The topic will be put into the context of the question "Is ignorance in America a choice?" Through research, I have gathered information on ISIS and the Syrian Refugee Crisis it created in order to put a perspective on the sheer size of the issue itself. It is my goal to help my audience understand that these problems in the world are very real and that the people affected are in need of the assistance of those who can help from the safety of a nation that is not plagued by terror and war. As humans on this Earth, as Americans with rights and privileges, we have a duty, an obligation to be informed about global issues, spread awareness about them, and to act in whatever way we can to assist those who are in desperate need of our help. In order to do this, we must overcome the voluntary ignorance we as Americans engage in.

11:00AM

Katie Haydett* and Arlen Stoller* - A comparative analysis of GI systems
Presentation Advisor: Professor Carolyn Walters

A comparative analysis of the gastrointestinal tracts of ruminants and hind-gut fermenters will be expounded on. Specific diseases, toxicities, and nutritional requirements for each digestive system will be looked at in depth and practical examples will be given. Bring your appetite as we discuss some diverse systems! (A snack will be provided!)

11:30AM

Hayley Walchle - Depression Levels in College Student and the Effects of Animal Assisted Therapy
Presentation Advisor: Professor Deborah Dalke

Past studies have shown that people who own companion animals are at lower risk of developing depression. Past studies have also shown that college freshmen are at higher risk of developing depression. However, a specific connection between adjustment to college and separation from companion animals has not yet been examined. My study explores the relation between depression levels in freshmen and separation from companion animals. Participants were asked questions about how much they miss their friends, family, and their relationship with their favorite companion animal, if they owned one. Participants also completed a short depression scale. My hypothesis is that students who are separated from their favorite companion animal will show higher levels of depression than will students who have not been separated from a favorite pet. The results of this study will be presented.

12:00PM

Ashley Tompkins* - How Well Do You Know Your Body?
Presentation Advisor: Professor Julie Kemarly

As a human, how much do you know about your own body? Do you know what lives inside of you? Do you know why your head itches on occasion, or what the stuff growing around your gums is? This presentation will answer all of those questions, in addition to providing several more examples of the human body and its own ecological systems.

12:30PM

Oshin Walker - Videogame and social media use in college students
Presentation Advisor: Professor Deborah Dalke

Studies have shown that cyberbullying is a common phenomenon in the American college culture. Cyberbullies use their computers and/or cellphones as a means of targeting and harassing others. The level of aggression shown by cyberbullies has been researched but little is known about the link between cyber aggression and playing violent video games. My study will determine if these behaviors are associated and if a gender difference exists. College students were asked questions about their participation in cyberbullying and the types of video games they played. I predict that there will be a positive correlation between cyberbullying and playing violent video games, and I will report the results in my presentation. The results of this study may be helpful in showing how social media is negatively affecting college culture, and could possibly lead to measures to alleviate this problem, if one is found.

1:00PM

Mackenzie Durdak* - DNA Use in Forensic Science
Presentation Advisor: Professor Douglas Kane

DNA is a genetic material that differs from each individual despite having a similar make up. In this presentation, DNA will be broken down to the simpler components and explained. These components will include what DNA is made up of, how it is constructed, and read. Extraction of DNA must be carefully done and even if done correctly, it must be collected and securely packaged to avoid contamination. Different types of DNA that can be used for tests include; blood, semen, vaginal secretions, and hair to name a few. DNA will also be looked at from a forensic standpoint, including techniques that require DNA such as polymerase chain reaction analysis, restriction fragment length polymorphism, and a few more. Properly read DNA can be used for everyday things such as in paternity cases to discover who the father of a child is, or in forensic cases to identify a victim that is unrecognizable, or to discover who a suspect may be if DNA was found at crime scene. DNA identification is an important tool in forensic science and is an accurate method is solving crimes.

1:30PM

Ceresa Page* - Ex vivo mice cardiac culture systems
Presentation Advisor: Professor Nathan Griggs

Ex vivo cardiac culture systems have been developed in mice to examine the cardiotoxic effects of isolated small natural products. An examination of various procedures to generate cultures with maximum viability has been done. The techniques used to isolate the cardiac tissue must be done carefully to prevent damage of myocytes and stromal tissue that work together to produce contractions. This method will serve as an experimental model for testing potential new drugs.

2:00PM

Kollin Spence - Gender Inequality: Empowering Women and its Effects on Terrorism
Presentation Advisor: Professor Elcin Haskollar

My presentation will examine the relationship between empowering women and acts of terrorism. More specifically this presentation will look at the issue in the region of West Africa. I will explain the relationship results I find throughout my research regarding what kind of effect gender equality has on terrorism, and whether empowering women plays any sort of role is reducing or even increasing acts of terrorism.

2:30PM

Kenny Miller* - Polygraph and Lie Detection
Presentation Advisor: Professor Steve Sondergaard

Polygraphs and lie detection techniques have been used by law enforcement locally and federally. There are different techniques with varying reliability. This presentation will cover different lie detection techniques and their application.

3:00PM

Catlyn Pavel* - Literacy Strategies
Presentation Advisor: Professor Rachel Eicher

The presentation will address a variety of literacy strategies. These strategies will provide educators and parents with different ways to engage and help students to read. There will be a focus on helping struggling readers become successful at reading. Different ways and strategies to help the learner become a fluent and capable reader will be presented. The goal of this presentation is to help individuals build a productive learning environment. They will learn ways to help students or their children become successful in attaining reading skills. This will help the learner become a better reader. Helping students to become connected with the text and find meaning while they read is extremely valuable. In order to help students become better readers, evidence-based strategies need to be utilized.

3:30PM

Toni-Ann Ledgister* - Osteoporosis
Presentation Advisor: Professor Paul Passalacqua

It is often said that calcium is important for strong, healthy bones. It is also believed that as long as one consumes milk, that person will not develop osteoporosis. Due to the growing investigations as it relates to osteoporosis, this presentation will address what osteoporosis is, Some of the factors that cause osteoporosis, as well as some of the causes of this disease. Bone physiology, bone-remodeling cycle, the relationship between calcium and osteoporosis, how the body controls calcium levels, what foods provide the body with calcium, as well as the effects that osteoporosis has on the body. Information about what scientists know about the genetics involved in osteoporosis will also be included in the presentation. The signs and symptoms, both early and late signs will be addressed and the risk factors that affect osteoporosis and they can be controlled or whether they are uncontrolled will be included. Known and developing treatments for the osteoporosis disease will also be included in the presentation, as well as the supplements that can be taken to increase calcium intake for the persons that have osteoporosis. The effects of exercise and the specific types of exercise that can decrease the risk of developing osteoporosis will also be included. With great research and continued developments, the number of persons with osteoporosis should decrease over the years.

4:00PM

Meredith Shank* - Amazon
Presentation Advisor: Professor Arif Sultan

This project will talk in depth about the company Amazon. The products sold, how shipping works and the supply and demand of all the products will be discussed. I will talk about the microeconomics aspect of the company and how the Internet has affected the company.

Poster Presentations

Hubbard Banquet Room

9:00AM

Taylor Haydinger* - The Perception of Time in Watchmen [1]

Presentation Advisor: Professor Todd Comer

Watchmen is a twelve issue comic written by Alan Moore. This comic is a deconstruction of the superhero genre, bringing light to what a world would look like with superheroes. While containing many interesting characters one stands out and his name is Dr. Manhattan. He stands out not just because of his actual superhero abilities but because of his perception of time. Dr. Manhattan describes time as “simultaneous”, where the future and past happen at once. Time can be described through Quantum Mechanics which measures at the scale of atoms and electrons objects that are invisible to the naked eye. While observations on the scale that humans make are concrete, in Quantum Mechanics objects do not have a specific position or time, rather it is a net of possibilities that gives physicists an educated guess as to when or where an object is. Using the notion of Quantum Mechanics and Richard Feynman’s theory, *Sum over Histories*, I will analyze Dr. Manhattan’s perception of time in relation to said theory.

Alexis Walker* - Overtraining in Female Athletes [8]

Presentation Advisor: Professor Matthew Lundin

The nature of sport involves competition, the honing of a skill, and the improvement of an individual’s athletic ability. For an athlete to succeed, one must undergo high intensity training and exercise to increase strength, endurance and applied skills for their respective sport. Exercise has also been proven to improve self-esteem, self-confidence and discipline. However too much exercise can result in overtraining. In the recent culture of sports it is not uncommon for female athletes to suffer from overtraining syndrome. My presentation will provide information on the subject of overtraining and its physiological and psychological adaptations that could ultimately be harmful to an athlete.

Megan Davis - Early Literacy Teaching Strategies [15]

Presentation Advisor: Professor Jane Myers

The most effective teaching strategies associated with early literacy will be explored. Methods for teaching literacy, as well as research supporting these methods, will be the main focus.

Rebekah Groden* - History of Genetics [22]
Presentation Advisor: Professor Douglas Kane

The history of genetics started in 1866 with Gregor Mendel. Traits appear in pairs, separate independently in the gametes and, recombine in pairs in offspring. In 1902, Walter Sutton and Theodore Boveri discovered the chromosome. In 1905, Nettie Stevens observed in Tenebrio beetles that all pairs of homologous chromosomes are the same size, except for one pair which determines sex -- X, Y. In 1909, Thomas H. Morgan correlates the X chromosome with sex-linked inheritance of the white eye trait in Drosophila. In 1944, Oswald Avery identified DNA as genetic material. In 1953, Rosalind Franklin and Maurice Wilkins showed that DNA is a double helix. Thomas Watson and Frances Crick determined the structure of the base pairs which enable replication producing two identical daughter helices. In 1970, Temin and Baltimore discovered reverse transcriptase in retroviruses; an enzyme later used to clone genes based on the RNA encoding the product. In 1977, Maxam, Gilbert, Sanger, others -- developed methods to sequence DNA. In 1987, Kary Mullis invented the polymerase chain reaction (PCR). In 1996, Ian Wilmut cloned the lamb Dolly from adult mammary gland tissue.

Keira Grandey* - Communication and Texting [29]
Presentation Advisor: Professor Chris Medjesky

Texting has become a part of most American's everyday lives and our communication has changed because of it. I will be presenting on how texting has changed communication from the 1990s to today.

10:00AM

Zack Bires* - How Therapeutic Modalities create the best healing environments for athletes. [2]
Presentation Advisor: Professor Matthew Lundin

Today, I am going to show how that even though the healing process cannot be accelerated, there is a way to make it reach it's "Max Potential." There are many different types of treatments, or modalities, that our Athletic Trainers use daily. Modalities can range anywhere with something as simple as an ice bag all the way to electrical stimulation and ultrasound. Each modality has its own use, and each has times when not to use it. Using these, we can help athletes bodies heal at their max speed, and also we can help avoid further injury.

Elizabeth Pienoski* - A Comprehensive Look at Terrorism and Its Evolution [9]
Presentation Advisor: Professor Steve Sondergaard

A comprehensive comparison about the differences between the types of terrorism: Domestic, International, and Transnational terrorism. How these types of terrorism differ from each other as well as a comparison between the three types. Looking at how terrorism has evolved and affected the United States as well as the history of the different types of terrorism within the world. A timeline that analyzes the evolution of terrorism throughout the world and an analysis of the changes in terrorism that has occurred after the attacks of September 11, 2001 and the change that occurred in the perspective of terrorist activity. A look at the different strategies to deter terrorist activities and the changes and evolution of surveillance techniques on American soil and abroad in other countries. A look at the controversy of counter terrorism strategy and the legislation that has evolved since the attacks on September 11, 2001 in regards to terrorism and counterterrorism tactics. A look at how terrorism has changed the world and how the American people have responded to terrorism throughout history as well as the changes that have occurred in terrorism on American soil since the September 11th attacks.

Logan Scott* - ACL Injuries Facts and History [16]
Presentation Advisor: Professor Paul Passalaqua

I will be presenting about how ACL injuries have changed over the years and how often they happen. I will be giving an overall facts presentation but then break it down into what the main causes of these injuries are.

Corinna Gebers* - Portugal Etiquette [23]
Presentation Advisor: Professor Patricia Galdeen

Everyone all around the world experiences international business of some sort. Check where your shoes and shirt you are made from! I bet they aren't from The United States. Technically, we have experienced international business in everyday life, without even thinking about it. With this being said, I am going to talk about what you need to know as a business person; that is thinking about moving a business international; to Portugal. Many things I will touch on you may have not realized are important!

Alyson Seibert* - Lie Deception Through Body Language [30]
Presentation Advisor: Professor Lisa Crumit-Hancock

Many people have mastered the art of deception through using their body language. Researchers have found that many people have learned how to control their muscles in their face when they are lying. There are a few ways to determine if someone is lying: their muscles in their face change expression, they begin to sweat or have their heart rate increase, and their eye movements differ from when they are telling the truth. All of these characteristics have been identified to help tell when someone is lying.

11:00AM

Jeremy Verhoff - The History of Science as it Pertains to Farming and Agriculture [3]
Presentation Advisor: Professor Don Buerk

I present how science has helped and possibly hindered farming and agriculture. I will also research and point out the major scientific breaks that have helped lead us to the farming and agriculture we know today. This includes field work, livestock practices, and also crop production.

MacKenzie Combs* - LGBTQ Rights and the Impact on America [10]
Presentation Advisor: Professor Jeremy Taylor

My project is suppose to show how LGBTQ rights has changed over the course of the years. Society is constantly changing. As time has gone by, more and more people have become vocal about LGBTQ rights. It is now legal in all 50 states and there have been both positive and negative outcomes because of law. Some people are in favor of everyone having equal rights, but is this law taking away freedom of religion?

Ashlyn Deming* - Functional Literacy [17]
Presentation Advisor: Professor Mary Ann Studer

The term literacy is a word that is widely known; much of one's education revolves around the concept of becoming literate. Literacy itself means "the acquisition of intellectual skills associated with the basic competencies in reading and writing...(Kirsch & Guthrie, 1977-1978, p. 488)." While literacy proves to be extremely important, the importance of functional literacy should also be considered. Although this term fails to have a final definition according to Kirsch and Guthrie (p. 488), the Organisation for Economic Co-operation and Development (OECD) defines being functionally literate as one who is able to read and write to the ability to function within the community (Literate, 2001); in other words, literacy means that one can read and write (Kirsch & Guthrie, 1977-1978, p. 488), but functional literacy means one can understand what is being written and read and can therefore function within the given society (Literate, 2001). While an exact definition plays into the role of assessing one's functional literacy, the major issue is the fact that there is not an exact way to measure functional literacy (Kirsch & Guthrie, 1977-1978, p.485) . This poster will further investigate this issue and pursue potential ideas for the definition and measurement of functional literacy.

Courtney Alexander* - Representations of Women in King Solomon's Mines [24]

Presentation Advisor: Professor Todd Comer

When it comes to novels, female characters tend to be feminine, with either important roles or supporting roles. However, in H. Rider Haggard's book King Solomon's Mines, female characters are portrayed in a very different light. Women in this book are either evil or completely disposable, even though they contain some masculine qualities, with no real space between those extremes. This novel represents women in an incredibly weird way. The way females are shown in this novel is very different from the way they are shown in most novels. These women are associated with masculinity, while others are completely evil and practice witchcraft and ritual killings.

Nathan Height* - Fraud Prevention [31]

Presentation Advisor: Professor Edwina Phillips

This project analyzes and identifies the extent of which organizations combat both negligent and intentional fraud in the workplace and how businesses create either a low-fraud or a high-fraud environment. Although every organization is at risk of being defrauded, a comprehensive approach to fighting fraud can often deter the act. This analysis of fraud prevention emphasizes the need for organizations to eliminate the opportunities for fraud, implement proactive fraud auditing, and create effective fraud reporting practices for employees.

12:00PM

Ashley Williams* - History of Women's Basketball [4]

Presentation Advisor: Professor Jeremy Taylor

Basketball was invented in the year 1891, and has developed and evolved in many ways since then. Women struggled to get involved in this newly created sport so it is especially important for the aspect to explain how it came to be. Especially since men and women have had different conditions since the game was created. There were different rules, organizations, etc. and there still are today so I want to explain the differences and how women's basketball started and came to be leading up to this day in age.

Jacob Vicic* - Use of Body Cams as Evidence [11]

Presentation Advisor: Professor Steve Sondergaard

Use of police body cams has become a major controversy. While they can provide valuable direct evidence of police actions, there is also a question of whether they invade the privacy of both police and civilians. This project seeks to establish if the pros of body cams outweigh the cons.

Laura Lutzke* - Social Classes in the United States [18]
Presentation Advisor: Professor Tess Sullivan

This poster will be comparing the five different social classes in the United States, upper, upper middle, lower middle, working and lower class. How lifestyles in each class are different, how income level is different per class, along with the occupational difference between all classes. As well as the difference in education in each class.

Noah Beach* - Solving Soylent: Feeding the World [25]
Presentation Advisor: Professor Julie Kemarly

"Soylent" is a proposed food replacement developed by entrepreneurs in Silicon Valley. The liquid is comprised of raw chemical, natural and synthetic, that the body can use to sustain itself. Although there is controversy over the nutritional value of Soylent and if it can support optimal function in consumers, it can serve a much greater purpose. This cheaply made liquid could be the to solution to providing sustenance and nutrition to impoverished and starving countries around the world.

Mark Goebel - History of manufacturing [32]
Presentation Advisor: Professor Don Buerk

My poster will present the history of modern manufacturing with an emphasis on the changes of science and technology in respect to manufacturing

1:00PM

Zane Hayes - Roman Military and its Technological Superiority [5]
Presentation Advisor: Professor Don Buerk

The thesis of this presentation is that due to Roman technological innovation, which they successfully integrated into their military, they were able to maintain an Empire for nearly one thousand years. This presentation will feature a number of weapons that the Romans used to their advantage.

Joseph Niehaus - Science in the Medieval Mediterranean [12]
Presentation Advisor: Professor Don Buerk

The thesis of this presentation is to describe how the three principal civilizations shaped science for the rest of time. During this presentation I will describe the science that the Latin Christians, the Greek speaking Byzantine Christians, and the Arabic-speaking Muslims used and how they developed science over time.

Tabitha Del Carmen* - Motivational Interviewing [19]

Presentation Advisor: Professor Tess Sullivan

Motivation is a part of many life activities. Coaches give it to their players. Teachers give it to their students. Parents give it to their children. With that, it can also be used as a form of therapy for people in varying areas of struggle. Motivational interviewing can be defined as a “therapeutic style intended to help clinicians work with clients to address their ambivalence” (U.S. Department of Health and Human Services, 2011). This form of therapy is very common in treating people with alcohol and substance use.

Christina Gebers* - The Effects Unions have on Businesses [26]

Presentation Advisor: Professor William Sholl

Unions offer employees higher wages (27%), greater benefits (20%), influences hiring, promotions and layoffs, better working conditions, and a formal process for employee grievances, and discipline. However, a union functions as a labor cartel, restricting the number of workers to increase the remaining workers’ wages. Since the company cannot make any changes to the business such as cost of the products, they must negotiate with the Union representatives. Businesses try to avoid this due to the excessive time and money needed for it. This makes the company less competitive, and unable to improve their products.

Adam McGinnis* - Business Ethics: Where do we draw the line? [33]

Presentation Advisor: Professor Edwina Phillips

I will be looking at how ethical decisions within a company can impact that company's reputation and also at where the line should be drawn between personal life and business life. I will present cases such as Chick-Fil-A to showcase how an ethical dilemma can impact that business and whether owners should keep ethical issues outside of their business.

2:00PM

Remick Pearson* - The Evolution of the Roman Gladiatorial Games [6]

Presentation Advisor: Professor Don Buerk

The gladiatorial contests that occurred in ancient Rome evolved from human sacrifices performed at burials of important people to huge contests comprising hundreds of people and animals that were used to control the roman public and to keep them from revolting against their rulers. This poster will explore how the games came to be, how they were used by the roman emperors to control tensions with the public, and what the games said about the roman people in relation to the brutality of the sport. The gladiators were originally one of the lowest classes in roman society, right next to slaves and criminals. But as the games became more lavish, they were admired more and more by the roman people for their bravery and willingness to die for their trainers and for the emperor. The games lasted, in their most grandiose form, for only a century or two before Christianity took hold and the games dedicated to the traditional roman gods were pushed out by chariot races and theater. But in this short time span, the games represent an interesting and historically important period of cultural development that can lead to many different conclusions on human nature.

Brooke Waidelich* - Autism Spectrum Disorder and the Physical Make-up of the Brain [13]
Presentation Advisor: Professor Fred Coulter

Autism Spectrum Disorder (ASD) is a neurological condition that affects all aspects of a person's functional behaviors, particularly through relationships and social skills. This project looks into the physical attributes of the developing brain of children who have ASD as compared to the developing brain of children who do not have ASD. Specifically, this poster will examine the differences in the brain's physical make-up among various people across the spectrum and the affect this difference has on the behavior and cognitive processes of a person with ASD.

Bradly Matson* - Does music have positive effects in therapy settings? [20]
Presentation Advisor: Professor Yakos-Brown

This presentation focuses on the effects of music on clients in therapy settings. It is hypothesized that music does have a positive effect(s) in therapy settings. The presentation will examine common uses of music in therapy and research that have been carried out on the topic. It will also take a close look at the profession of music therapy, including how therapy sessions are carried out, what varieties of music are used, what the effects of the therapy are meant to be, and the effectiveness of this method of therapy. All of this information will be compiled and conclusions will be drawn based on the information gathered.

Spencer Gray* - Genetically Modified Organisms: An Overview [27]
Presentation Advisor: Professor Julie Kemarly

An overview of Genetically Modified Organisms (GMOs). The potential applications of GMOs, their benefits and risks to the environment, and the controversies surrounding them will be covered in this presentation.

Denique Dennis* - Libido as Life Energy [34]
Presentation Advisor: Professor Kristin Sorensen

Notable psychotherapist and psychiatrist Carl Gustav Jung defines libido as “an instinctual physiological or psychic energy not just associated with sexual urges, but all constructive human activity as well” (1912). Based on Jung’s premise, this research is an exploration of how a healthy sex drive in women may influence their job performance.

3:00PM

Catherine Tilman* - Police Officers and Drug Abuse [7]
Presentation Advisor: Professor Sheldon Goodrum

Corruption is a huge problem. It's time to take a deeper look into police officers abuse of drugs and police officers abuse of authority with drugs.

Jessica Crigger* - Forensic Science in reality V. real life [14]

Presentation Advisor: Professor Somnath Dutta

many people see TV shows like bones, CSI, and NCIS and think they understand and like forensic science. Everything that happens on the show is solved in 60 minutes. So they show the results getting completed fast, which does not happen. Also they show the crimes getting solved majority of the time. Also that is a rare occurrence.

Katie Haydett* - The Ownership of Exotic Animals and the Need for Federal Regulations [21]

Presentation Advisor: Professor Jeremy Taylor

The ownership of exotic animals and the need for clearly defined and outlined national regulations on the ownership, captivity, and sell/trade of all animals therefore considered to be exotics will be addressed through this policy memo. Currently within the United States, many regulatory laws on the possession and private ownership of exotics fall under control of local governments, however, there are still states that have no provisions on the guidelines of ownership of exotics. With the total reported incidents involving exotic animals up to 2,189 and 86 human deaths, there is a strong disconnect in individuals interests and the national public safety and health (Born Free USA). The importation of animals from various countries increases exposure of the native animal population to outside diseases, as well as the communities of the people in which the non-native species reside. This policy memo will discuss the need for a minimum national regulation to be enacted for the protection of not only the people, but of the animals as well.

Zach Roush* - Family Trees: A Look Into Another Culture [28]

Presentation Advisor: Professor Mary Ann Studer

This presentation will be about setting up a family tree, so that one can research their lineage. This is a project that will be implemented in the rural village of San Carlos, Belize as this part of this McMaster Scholar's research. The purpose of this project is to provide an accurate and easily accessible resource that can be used by the village to teach future generations about their own ancestry and culture.

Stephanie Houston* - Policing in America [35]

Presentation Advisor: Professor Sheldon Goodrum

Over the years America has struggled to find the most efficient style of policing for carrying out the police mission. The mission of the police is to enforce and support the laws of society, investigate crime and apprehend offenders, prevent crime, ensure peace, and provide the community with enforcement related services. The styles that exist today are traditional-style policing, community-oriented policing, problem-oriented policing, and intelligence-led policing.

Constitutional Conversation

Cultural Arts Room

12:00PM

“The Storm Makers”

Presented by: Nathan Height, Cormack Lazarus, Ceresa Page, and Elizabeth Pienoski

More than half a million Cambodians work abroad, and a staggering number of those become slaves. Many are young women, held prisoner and forced to work in horrific conditions, sometimes as prostitutes. A chilling exposé of Cambodia’s human trafficking underworld, *The Storm Makers* weaves the story of Aya, a young peasant sold into slavery at age 16, with that of two powerful traffickers (known as "storm makers" for the havoc they wreak) who use deception to funnel a stream of poor and illiterate people across the country's borders. French-Cambodian filmmaker Guillaume Suon presents an eye-opening look at the cycle of poverty, despair and greed that fuels this brutal modern slave trade.

This film, released in 2014, will last approximately one hour. When it concludes, four of the Cambodia McMaster Scholars will lead a short discussion on the film.





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