

Presentations, results of research and performances highlight Apeiron

Released: April 02, 2010

TOPEKA - In what ways are the moods and memory levels of college students affected after 24 hours of not sleeping? What is the influence of the French culture on the harp? Are there unique protein densities in giant ragweed?

Answers to these and other questions examined in research projects will be presented by 73 students at The Washburn Apeiron: A Forum of Student Research, Scholarship and Creativity from 11 a.m. to 5 p.m. Friday, April 23, on the Washburn University campus.

The Apeiron allows students from all disciplines to present their work in an environment that closely resembles the professional conferences and performance venues of their chosen area of study. Entries include poster presentations, oral presentations, exhibitions and performance.

Several of the presentations will fulfill portions of the Washburn Transformational Experience graduation requirement for which students must demonstrate excellence in scholarly and creative activity, community service, leadership or international education. The WTE graduation requirement was established to provide baccalaureate students with an opportunity to make a difference to others or society through enhanced learning designed to complement traditional college studies.

The schedule:

11 a.m.: Visual and performing arts performances, Mulvane Art Museum and Carole Chapel

1 p.m.: Oral presentations, Henderson Learning Resources Center (various rooms)

3 p.m.: Special Last Lecture, Bill Wagnon, professor emeritus, history, Mabee Library

3:30 - 5 p.m.: Poster session and reception honoring Apeiron participants, Mabee Library

For information on Apeiron, go to <http://www.washburn.edu/admin/vpaa/apeiron/>:

Participants and topics are:

Auburn:

+Catlin R. Corbin, senior, sociology and French, oral report, "Gender Stereotypes In Print Advertising: Women in Traditional Roles."

+Danielle Horton, senior, biology, poster presentation, "Molecular Cloning and Sequence Analysis of a Potassium Two-Pore Channel (K2P) Gene From *Naegleria gruberi*, EG-B strain."

+Sarah Danielle Wuerfele, senior, biology, poster presentation, "Phenotypic Characterization of an *mgtE* Magnesium Transporter Mutation in *Bacillus subtilis*."

Burlington:

+William Robert Lawrence, senior, political science, oral report, "Capital Punishment: The Test of Justice and Humanity."

Council Grove:

+Samantha L. Wright, senior, psychology, poster presentation, "Attractiveness and Intelligence: Do Pretty People Sound Smart?"

Dodge City:

+Erica Michel, junior, music (instrumental performance), ensemble performance, "Music in Color: Debussy's Chamber Music with Harp."

Ellinwood:

+Lisa Ille, senior, biology, group poster presentation, "Visual Adaptations of Night- and Day-Active Insects."

Holton:

+Daniel C. Minde, senior, history (secondary education) and elementary education (middle school math), oral report, "The Angel in the Dark."

Junction City:

+ebecca A. Schmidt, senior, biology, poster presentation, "Prey Selection in the Praying Mantis (*Tenodera sinensis*)."

Lawrence

+Sott A. Bush, senior, forensic chemical science, oral report, "A Comparison of the Wood's Lamp and Alternative Light Sources in the Recovery of Biological Evidence From Sexual Assault Victims."

+Andrew Michael Moskow, senior, political science, oral report, "Amidst Media Debate, Potential for Losing Sight of Larger Picture."

+Lisa Pearce, senior, nursing, poster presentation, "Health Beliefs of Urban and Rural Kansans."

+Beth A. Ryszewski, post-baccalaureate, psychology, poster presentation, "But I Worked so Hard."

Lindsborg:

+Hannah Thompson, senior, anthropology and history, oral report, "Akhenaten: Ancient Egypt's 'Dirty Little Secret'."

Meriden:

+Tess K. Wilson, sophomore, English (writing), performance (vocal poetry), "Exploring Epeolatry."

Neodesha:

+Sara E. Hoyt, senior, history, oral report, "Fighting for Justice: The Cases of Korematsu, Hirabayashi and Yasui."

Overbrook:

+Lily Varner, senior, biology, group poster presentation, "Analyzing HSV-1 UL34 and UL31 Interactions Using a Yeast Two Hybrid System."

+Kylie Brook Wiscombe, senior, nursing, poster presentation, "Sex Education Among Rural High School Females."

Overland Park:

+Lauren A. Woidela, senior, music and French, performance, "The Influence of French Culture on the Harp: Focusing on the Impressionist Era's Maurice Ravel's Introduction and Allegro."

Paola:

+Jennifer D. Connell, junior, biology, poster presentation, "Detection of AmpC Beta-Lactamase Genes in Enteric Isolates Using Multiplex PCR."

Parsons:

+Alicia A. Burris, junior, biochemistry and biology, poster presentation, "Progress Toward the Synthesis of Expanded Oxophlorins."

Rossville:

+Carole L. Jontra, senior, biochemistry and biology, oral report, "Isolation and Analysis of Proteins from the Leaf Material and Pollen of *Ambrosia artemisiifolia* L., the Common Ragweed."

Sabetha:

+Kara Ann Bruning, senior, nursing, poster presentation, "Implementing Head Lice Prevention and Treatment Education Into Kindergarten Classrooms."

+Trent B. Snyder, junior, biology, poster presentation, "Genetic and Morphological Identification of Free-Living Amoeboflagellates from freshwater Sources in Kansas."

Smith Center:

+Samantha M. Kriley, senior, biology, poster presentation, "Vegetative Differences between the Restored and Native Prairies at Stone Nature Center, Topeka, Kansas."

St. Marys:

+Regina M. Budden, junior, mass media (media writing and publishing), oral report, "One Step Forward, Two Steps Back: Modern Applications of the Two-Step Flow."

+William Darst, sophomore, music (instrumental performance), ensemble performance, "Music in Color: Debussy's Chamber Music with Harp."

Studley:

+Jacinda L. Peltz, senior, psychology, poster presentation, "The Effects of Ethical Disturbance Levels on Moral Judgments."

Tecumseh:

+David D. Beaver, senior, biology, poster presentation, "AFLP Marker Profiling and Fluorescent Genomic in situ Hybridization of Perennial Wheat Amphiploids.

+John D. Stamm, senior, biology and biochemistry, poster presentation, "RT-PCR Analysis of Matrix Metalloproteinases in Chick Embryos."

Topeka:

+Keith Robert Arkenberg, senior, physics, poster presentation, "Proton Ionization of the Earth's Atmosphere due to Cosmic Ray Proton Events."

+Scott N. Ashley, senior, biology and biochemistry, oral report, "Analysis of Unique Protein Densities in Giant Ragweed Using LC MS/MS."

+LuRita Boggs, senior, security administration and psychology, poster presentation, "Impact of Negative Self-presentation Concerns on Social Anxiety During a Presentation."

+Kevin D. Burton, senior, history, oral presentation, "Three Men of Publius: The Importance of Publius as a Pseudonym in 'The Federalist Papers.'"

+Erin E. Carpenter, senior, nursing, poster presentation, "The Initiation of Nursing-care Focused Sibling Classes in NIC."

+Adrienne Marie Cooper, senior, psychology, poster presentation, "Religiosity as a Factor in Overcoming the Negative Effects of Growing Up in a Low Socioeconomic Status."

+Ivonne N. Cozad, senior, music and psychology, poster presentation, "Role of Anxiety on the Recognition of Fear on Women and Men Faces."

+Elizabeth M. Damman, senior, finance and management, group poster presentation, "The Financial Analysis of AT&T."

+Caroline M. Drexler, senior, music (instrumental performance), ensemble performance, "Music in Color: Debussy's Chamber Music with Harp."

+Diana Estes, senior, nursing, oral report, "MRSA and Your Stethoscope."

+Michele Marie Flanagan, senior, music and French, performance, "A Study in Collaboration: The Mid-20th Century French Work of Francis Poulenc and Jean de Brunhoff."

+Mariela Flores Barquero, sophomore, music (instrumental performance), ensemble performance, "Music in Color: Debussy's Chamber Music with Harp."

+Delaney Danielle Gordon, junior, marketing and finance, group poster presentation, "The Financial Analysis of AT&T."

+Sanela Hasanovic-Little, senior, psychology and biology, poster presentation, "Nature or Nurture: Gender Difference in Mental Rotation Performance."

+Roberto C. Henriquez, sophomore, undeclared, ensemble performance, "Music in Color: Debussy's Chamber Music with Harp."

+Elizabeth Hinton, senior, biology, group poster presentation, "Visual Adaptations of Night- and Day-Active Insects."

+Curtis W. Leeth, junior, history, oral report, "To the Utmost Bounds: The Mexican-American War of 1848."

+Misty Long, senior; mathematics, German and physics; oral presentation, "A Mathematical Study of the Game of Sprouts and Similar Games."

+Kevin D. Lorson, senior, biology, group poster presentation, "Molecular Cloning and Analysis of Putative Telomerase Gene Fragments from *Naegleria gruberi*."

+Jessica A. Luse, senior, mathematics (secondary education), oral report, "To Count or Not to Count: Latin Squares, Combinatorics and Dynamic Programming."

+Ashley E. Manis, senior, psychology, poster presentation, "A Comparative Review of Cognitive Ability in Animals and Humans."

+Kevin P. Martenson Goetz, senior, psychology, poster presentation, "The Effect of 24 Hour Sleep Deprivation on Decision Making, Mood and Memory in College Students."

+Rebecca Lynn Mathews, senior, nursing, poster presentation, "Promoting Breastfeeding in Adolescent Mothers."

+Cory P. McCart, senior, biology and chemistry, poster presentation, "Rates of Solvent-free Wittig reactions by Infrared Spectroscopy."

+Allison C. McKinley, senior, biology, poster presentation, "Genetic and Morphological Identification of Free-Living Amoebflagellates from freshwater Sources in Kansas."

+Kamesha D. Moore, senior, sociology, oral report, "Depictions of Female Detectives on Major Network Prime Time Television Cop Shows."

+Alicia N. Moulden, senior, psychology, poster presentation, "The Effect of Parent Divorce and Pet Ownership during Childhood on Current Psychological Well-being and Family Harmony."

+David Packard, senior, finance and economics, oral report, "Company Analysis of Sprint Nextel, Inc."

+David Reed, senior, biology and chemistry, group poster presentation, "Analyzing HSV-1 UL34 and UL31 Interactions Using A Yeast Two Hybrid System."

+Thomas Robben, junior, chemistry, poster presentation, "Amide Reduction by in situ Generated BH₃·THF Adduct."

+Grant S. Robertson, senior, integrated studies, oral report, "Distributable Educational Material Markup Language™."

+Manuel Emilio Tabora, senior, music, performance, "Obsession: J. S. Bach's influence on the solo violin works of Eugene Ysaye" and ensemble performance, "Music in Color: Debussy's Chamber Music with Harp."

+Sarah Elizabeth Thielenhaus, senior, psychology and biology, poster presentation, "The Effect of Progesterone Levels on Wisconsin Card Sorting Task Performance."

+Esther Patricia Valladares Amador, sophomore, music (instrumental performance), ensemble performance, "Music in Color: Debussy's Chamber Music with Harp."

+Megan L. Wells, graduate student, poster presentation, "The Effect of Feedback About Texting While Driving on Attitudes Towards Texting."

Wakarusa:

+Joshua C. Carver, senior, management, group poster presentation, "The Financial Analysis of AT&T."

Hangzhou, China:

+Chenning Fu, non degree seeking, performance, poetry, "Three Poems about Love: Robert Frost, e.e.cummings and Edgar Allan Poe."

Jinhua, China:

+Linyan Zhan, non degree seeking, oral report, "Teaching Critical Thinking in American Elementary Schools."

+Lei Zhu, non degree seeking, group poster presentation, "Molecular Cloning and Analysis of Putative Telomerase Gene Fragments from Naegleria gruberi."

San Pedro Sula, Cort, Honduras

+Roman O. Carranza Zapata, sophomore, undeclared, ensemble performance, "Music in Color: Debussy's Chamber Music with Harp."

Kowloon, Hong Kong:

+Hiu Lam Lau, senior, music and marketing, oral report, "A Comparative Study of Piano Pedagogy for Young Beginners Practiced in Topeka, Kansas, and Hong Kong, China."