

Keene State College Presents

Saturday, March 29, 2008

# The Eighth Annual Academic Excellence Conference

Join Keene State College students and their faculty sponsors to learn about some of the most ambitious academic work of the 2007-08 year. The conference is held in the Science Center, the L. P. Young Student Center.

**9:10-10:10 A.M.**

STUDENT CENTER

## Performance

**All the Mean Things**

Angie Muzzy

Performer: Amy Tessitore

**The Eternal Drone: Evidencing Minimalism's Influence in Modern Music**

Ryan LaLiberty

**9:10-10:10 A.M.**

SCIENCE CENTER

## Oral Presentations

S102

**The Rounding of Reps: A Mathematical Analysis of Apportionment in the United States House**

Jillian Riehl

**Understanding Fractions Through Guidance and Manipulatives**

Jennifer McDougall

S154

**Patterns in Nitrogen Concentrations and Natural  $^{15}\text{N}$  Signatures Amongst Understory Plant Species in Pisgah State Park, New Hampshire**

Timothy Pollin

**Ecosystem Management in New Hampshire: The Case of Pisgah State Park**

Kirk Cram

S161

**A Controversial Interpretation of the Genesis of 16th-Century European Witchcraft: Religious Opposition, Female Sexuality, and Misogyny in the Roman Catholic Church**

April Schoenfeld

**A Survey of Maya Obsidian Technology at San Pedro, Ambergris Caye, Belize**

Jessica Goulet

S163

**"Rock the Vote!" Using Cultural Climate to Reinforce Students' Historical Thinking**

Michael Szafir

**International Children's Programs**

Lauren McGuire

S181

**The Future of Samuel Adams**

Rachel Locke

**KSC e-Mission**

Darion Miller

**10:20-11:20 A.M.**

SCIENCE CENTER

## Oral Presentations

S102

**The War Play Debate**

Allison Smith

**Will Targeted Interventions Make a Difference? Implementing Response to Intervention**

Anne Iacobucci

S126

**KSC Students' Views on Same-Sex Marriage**

Samantha Ratta

**Public Education in the City of New Orleans: Before and After Hurricane Katrina**

Erin Sanders

S129

**Woody Debris as a Carbon Pool in Pisgah State Park, a Successional Forest in New Hampshire**

Sarah Green

**Effects of *A. trignonum* on Host Spider Relocation**

Laura Kintz

Collaborative Researchers: Laura Ireland and Deb Napey

S154

**Masculinity and the Aging Male**

Adam Hogue

**Gloria Anzaldúa and the New Mestiza Consciousness**

Sandra Garcia

S161

**An Introduction to Nomography**

Kimberly Thompson

**Fingerprinting Late Accretion:**

**A Study of the Lunar Impact Melt 76055**

Lorne Loudin

S163

**Environmental Frames in the Media and Its Effect on the Environmental Movement**

Nicole Shippee

**The Millennium Development Goals: Accomplishments and Shortcomings**

Michelle Sigiel

**11:30 A.M.-12:30 P.M.**

SCIENCE CENTER

## Panel Presentations

S102

**Reflections on French Romantic Society: Feminists, Bohemians, Poets, and Painters**

Elizabeth Sylvia, Emily Guirguis, Tabetha Corriveau, Read Gildner-Blinn

S126

**Cultivating the Mind: Thinking and Writing About Plants**

Erik Breakwell, Nathan Rowe, Corey Smith, Vanessa Ward

S129

**Worldviews: Teaching Social Justice Through Global Religions**

Katherine St. Martin, Erin Henderson

Contributor: Abigail Bucklin

S154

**The Colony House Collection of Recorded Sound**

Jordan Daigle, Benjamin Hoffman, Joseph Kenney, Caitlin McDougall, Chris Paquin, Jeff Richardson

S161

**Safe and Sustainable Design of a Biodiesel Production and Laboratory Facility in Keene, New Hampshire**

Irissa Plouff, Joseph DiFraia, Michael Grotton, Andrew Denley, Andrew McKeen, Joshua Swasey

We would like to acknowledge the work of Matthew Atwood on this research and dedicate this presentation in his memory.

**11:30 A.M.-12:30 P.M.**

SCIENCE CENTER

## Oral Presentations

S127

**The Power of Pixels**

Jacob Potelle

**The Benefits of Physical Activity for Children**

Lauren Buchan, Amy St. John, Tim Stanwood, Danielle Smidutz

S163

**Teacher Culture and the Creation of Democratic Classrooms**

Christina Dyer

S175

**Design and Manufacture of Performance Automotive Engine Intake Manifolds**

Jason Borden

S181

**From Ideas to Reality: Developing Local Programs That Work**

Annelies Spykman

**Gender Incongruence and Morality in Creative Fiction**

Steven Gonzalez

**1:55-2:55 P.M.**

SCIENCE CENTER

**Oral Presentations and Workshops**

S102

**Contextualizing the Life of Phebe Simmons**

Eric Lindquist, Melissa Dickie

**The Impact of the Eugenics Movement on Those with Developmental Disabilities in the United States**

Jennifer Belmont

S126

**Putting a Physical Spin on Technology**

Martha Kenison, Matthew Cutts, Donald Webb, Rachel Colby, Sarah Serpico, Richard Hession  
Contributors: Patricia Maher, Shayna Stoddard

S129

**Representations of Motherhood in Four Decades of Our Bodies, Ourselves**

Annelies Spykman

**The Subculture of Anime**

Kimberly Simmons

S154

**Modifying the Scripted Curriculum to Meet Individual Learning Needs**

Kathryn Kimball

S154

**Character Education: Civic Education**

Darya Bushmakina

S161

**The Role of Public Participation in Making Decisions About Logging in Pisgah State Park**

Nicole Shippee

Political Acts of Composition: Radical Ideologies in Avant-Garde Music After World War II  
Ian Durling

S163

**Misconceptions and Prejudices Within the Holocaust: The Conflict Between Antisemitism and Anti-Judaism**

Lauren Dance

S163

**¿Quién es la Latina?: A Study of the Image of the Latina Woman in the United States**

Tracy Gilpin

S175

**Gender and Colonialism: The Role of the Female in William Shakespeare's The Tempest**

Katherine St. Martin

**Creative Challenges in Virginia**

**Woolf's Fiction**

Michelle Belliveau, Katie Vaillancourt

**3:05-4:05 P.M.**

STUDENT CENTER, MABEL BROWN ROOM

**Poster Presentations and Exhibits**

**Exhibits**

**Ideal Theatre**

Kaitlyn Jordan

Contributors: Emily Glavey, Elizabeth Pan-neton

**Interactive Sculpture Feasibility Study**

Peter Dibble

**Building Science Demonstrations**

Ryan Lacey

**Posters**

**Microbial Degradation of Polyaromatic Hydrocarbons by Microbes in Ashuelot River Sediment**

Andrew Consiglio, Carl Johnson

**Implementing 16S rRNA Gene Analysis for Identification of Novel Environmental Microbes at Keene State College**

Cyndi Magnuson

**Development of a Bioassay Using Xenopus laevis Tadpoles for Assessing Thyroid Hormone Disrupting Effects**

Amy Hollar

**Behavioral and Morphological Effects of Bifenthrin on Xenopus laevis Tadpoles**

Jason Beckta, Amy Hollar

**Evolution of the Apetalous Passionflower**

Elizabeth Georgian

**A Reconnaissance of PAH Contamination in Ashuelot River Sediments**

Lara Houghton-Robinson

**Producing Energy from a Microbial Fuel Cell Using Ashuelot River Sediment as a Fuel and Microbial Source**

Jeffrey Holway

**A Marxian Look into the Socioeconomic Development of Imperial China**

Jason Sabol

**Gender Bias in the Classroom and Academic Success**

Melissa LaPlante

**Establishing a Healthy Dialogue on Body Image Through Reflective Writing**

Katherine St. Martin

**Relationships Between Vegetation Composition, Distribution, and Physiographic Characteristics of Semi-Rich Mesic Forest Inclusions in Pisgah State Park, New Hampshire**

Timothy Pollin

**Contamination of Soils on the KSC Campus from Lead Paint**

Nasra Al-Hashmi, Emily Archer, Lauren Cram, Anthony Daniels, Joshua Decknick, Jaclyn Oster, Aileen Shaw, Joshua Starkey, Melissa Sweeney, Thomas Zimmerman

Contributors: Michael Avery, Geoff Cornell, Keith Donovan, Jon Paquette, Nicholas Raymond, Sena Tay, Dene Tully

**Suitable Land for Arabis Canadensis L. (Sickle-Pod) in Keene, Marlborough, West Swanzey, and Troy, New Hampshire, Area**

Sarah Green

**Wood Turtle Habitats of the Keene, New Hampshire, Area**

Stafford Larsen

**New Hampshire Growing Grey**

Melissa Bourbeau, Sarah Demers, Samantha Rust, Jill Trick

**Conservation in New Hampshire: A Trust in the Land**

Danielle Page

**Risky Business: Highlighting Economic Vulnerability to Flooding, Keene State College, Keene, New Hampshire**

Christopher Koenig, Kimberly Bradley, Carolyn Meaney, Casey Moran

**Optimal Locations for Short-Eared Owl in Southwest New Hampshire**

Torin Hjelmstad

**Protecting One Vernal Pool at a Time**

Tabatha Wilson, Rachel Lathrop

**Stormwater Education: What's in Your Water?**

Mallory Carpentier, Greg Sauer, Lisa Strand

**Planning for the Future: The Impact of Formula Business in Vermont**

Austin Castor, Amber Gibbs, Kyle Hoard, Kelly Yankowski

**Public Perception of Floodplains: A Case Study of Alstead, New Hampshire**

Jillian Balestrieri, Rachel Jones, Peter Lapte-wicz, Thomas Tarracciano

**Suitable Habitat for Spotted Salamanders**

Tabatha Wilson

**Documenting Cordierite Paragenesis Within the Harris Quarry, Richmond, New Hampshire**

Alec Kurowski

**Sodium: The Facts**

Katherine Kreh, Ashley Lazarz

**Is Smiths Medical's State-of-the-Art Global Information Technology Center at Risk?**

Tricia Kapiloff, Tatiana Punt

**Stress and Eating Behaviors in College Students**

Jennifer Haworth

**Attraction Patterns of College Females**

Elizabeth Comeau

**The Effects of Paranormal Factors on the Formation of False Beliefs**

Jason Anastas

**Effects of Visual Feedback of Speech Patterns on Fluency of Speech**

Dana Githmark