2002 Student Research Conference Program

**Concurrent Session, Papers**

Wednesday, Glenn Auditorium 9:10-9:50

Session Chair Adam Friesz

9:10-9:20 Opening Remarks

9:20-9:35 Erin Nicole Jackson, Loren Honnas, Jennifer Abner, Dr. Allen Gathman*, and Dr. Walt Lilly*, Analysis of Gene Expression on Nitrogen-Limited Media Using Expressed Sequence Tags in *Schizophyllum commune*

9:35-9:50 Emily R. Goforth, Conditional Counting of Trials

**Concurrent Session, Posters**

Wednesday – Glenn Auditorium Hallway 9:20-9:50

Session Chair Cindy Killian


9:25-9:30 Roxann Weix, Curtis Jansen, and Martha Huck, Multistep Synthesis of Cyclopentanol, Cyclopentaindole, and Various Aldol Products from Cyclohexanol

9:30-9:35 Joseph D. Romine and Lucinda J. Swatzell, Characterization of Cytoskeletal Proteins in the Negatively Phototropic Gametophyte of *Schizaea pusilla*

9:35-9:40 Nathan Tuschhoff, Service Learning: Working to Aid Others

9:40-9:50 Presenters will be available at their posters for informal discussion

9:50-10:00 Break

Wednesday – Glenn Auditorium (Papers) 10:00-10:45

Session Chair Adam Albert

10:00-10:15 Saira Kahn and Dr. Mohammed Ali*, Doximation Reaction With Silica Gel Supported Jones Reagent in Non-Aqueous Media

10:15-10:30 Jennifer N. Hanks, Methods of Flanking Sequence Analysis Using Expressed Sequence Tags (ESTs) in *Schizophyllum commune*
10:30-10:45 Bradley Haynes, Differences in Perceptions of Stress, Perceived Social Support, Social Network, and Disability Access and Support Between Those Born Physically Disabled and Those Who Became Disabled Later in Life

10:45-11:00 Break

Wednesday – Glenn Auditorium (Papers) 11:00-11:45
Session Chair Doyle Noe

11:00-11:15 Mary L. McCord, How Private is Private With Gene Mapping?

11:15-11:30 Dawn Michelle Ernst, Progression of Women in Congress

11:30-11:45 Andrew F. Johnson and Leslee K. Pollina*, Security of Attachment to People and Other Entities in Young Adulthood

Wednesday – Glenn Auditorium
Lunch, Keynote Speaker, and Provost 11:45-1:15

11:45-12:00 Welcome to everyone in the audience to join us for lunch—The entire audience is invited to join us for a buffet lunch

12:00-1:00 Common Hour Keynote Speaker. Virginia Ives will present “A Little Bit of Humor Goes a Long Way: How Laughter, Research, and World Travel Go Hand in Hand”

1:00-1:15 Provost Jane Stephens will address students and faculty sponsors

1:15-1:30 Break

**Concurrent Session Papers**

Wednesday – Glenn Auditorium 1:30-2:15
Session Chair Ryan Shelton

1:30-1:45 DeNekia Nicole Tucker, Contagious Sniffing: Effects of Sniff Imitation and Stimulus Interest

1:45-2:00 Jason S. Alexander, Temporally Controlled AC Power Supply

2:00-2:15 Carlos W. DeJesus, The Effects of an After School Mentoring Program on Sixth Grade At-Risk Students

2:15-2:30 Break
**Concurrent Session Posters**

**Wednesday – Glenn Auditorium Hallway 1:30-2:15**

*Session Chair Jill Kiesler*

1:30-1:35 *Eric Wittenauer and Erica Paisley*, The Prince William Sound (Good Friday) Earthquake of 1964

1:35-1:40 *Marla Dial, Terra Wineman, and Uriah Kilgore*, The Synthesis of Cyclopentanone Using Oxidation of Cyclohexanol to Adipic Acid and Cyclization of Adipic Acid to Cyclopentanone Followed by Using Cyclopentanone to Make Various Organic Compounds

1:40-1:45 *Beth Wuebbels, Saira Kahn, and Jessica Broyles*, Formation of Butadienes from Various Phosphonium Salts and the Reduction of these Butadiene Products by Hydrogenation

1:45-1:50 *Nathan Huck, Kari Del Vecchio, and Tasha Ware*, A Multistep Synthesis of Jet Fuel Intermediates from Cyclic Ketones

1:50-1:55 *Bo Andel, Brian Privett, and Joe Toney*, The Headaches of Friedel-Crafts Acylation

**1:55-2:15 Presenters will be available at their posters for informal discussion**

**Wednesday – Glenn Auditorium (Papers) 2:30-3:15**

*Session Chair Nicole Tucker*

2:30-2:45 *Jason S. Alexander and Joseph Paikeday*, Polarization Potential for e-Argon Scattering by DCS Minimization at Intermediate Energies

2:45-3:00 *Brian Harris and Sarah Wright*, Conditional Discrimination Based on Either Memory or Position Cues

3:00-3:15 *Karen A. Lawrence and Rex Meade Strange*, Evolution of Retinal Structure and Color Communication in Percid Fishes

**3:15-3:30 Break**

**Concurrent Session, Posters**

**Wednesday – Glenn Auditorium Hallway 3:30-4:30**

*Session Chair Derek Vaughn*

3:30-3:35 *Michael Walls and Kelli McFarland*, Initial Experiments to Demonstrate Functional Complementation of Yeast Mutations with Genes from *Schizophyllum commune*
3:35-3:40 *Melissa A. Dooley*, Porosity and Specific Retention of Emminence-Potosi Limestone from *Cheilanthes feei* Habitat

3:40-3:45 *Sarah Buerck*, A Career Counseling Project for Middle School Students, Grades Six-Eight

3:45-4:20 **Presenters will be available at their posters for informal discussion**

**Concurrent Session, Papers**

**Wednesday – Glenn Auditorium 3:30-4:20**

*Session Chair John Castronova*

3:30-3:45 *Kathy L. Keller*, Intergenerational Aging-Education

3:45-4:00 *Wendy Decker and Jai Dahiya*, The Effects of Rotation of a Sample in a Microwave Oven

4:00-4:15 *Beth Wuebbels and Dr. Phillip Crawford*, Qualitative and Quantitative Analysis of Gunshot Residue from Different Brands of Ammunition by Anodic Stripping Voltametry

4:15-4:30 *Aman Anand, Pankaj Choudhary, and Jai N. Dahiya*, Distribution of Heat in a Sample of Distilled Water Placed Inside a Microwave Oven

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**Thursday – Glenn Auditorium Hallway (Posters) 9:30-10:45**

*Session Chair Brandi Meredith*

9:30-9:35 Opening Remarks


9:45-9:50 *Wendy Decker, Laura Meyer, and Dr. Margaret Hill*, Measuring the Index of Refraction of Glass Using a Michelson Interferometer

9:50-10:45 **Presenters will be available at their posters for informal discussion**

10:45-11:00 Break

**Thursday – Glenn Auditorium (Papers) 11:00-12:15**
Session Chair Crystal Uhe

11:00-11:15 Adelaide E. Beiser, Amber L. Swain, Sam A. Buchanan, Martha A. Huck, and Dr. Mike Crosland*, Comparison of Molecular Divergence Among Reticulitermes Populations

11:15-11:30 Rebecca M. Klazynski, The Misconception Regarding Cognitive Impairments Associated with Parkinson’s Disease

11:30-11:45 Lucy J. Thurston and Dr. Mohammed Ali*, Dehydration of Aldoximes to Nitriles Utilizing 2-Chloro-N-Methyl Pyridinium

11:45-12:00 Marisa Banasik and Scott Lucchese, Identification of Differentially Expressed Genes in Schizophyllum commune

12:00-12:15 Brandon H. Blattel and Travis J. Stevens, The Effects of Osmocote and Water Soluble Fertilizers on Petunia Production

12:15-1:00 Best Paper and Best Poster Awards Ceremony, Lunch—The entire audience is invited to join us for a buffet lunch

Thursday – Glenn Auditorium (Papers) 1:00-1:45
Session Chair Sarah Culbertson

Debate 1:00 to 1:40
Should the United States Expand Its Efforts to Prevent Terrorism?

1:00-1:20 Travis Partney, Caroline Mueller, and Carmen Montes, Efforts to Combat Terrorism Should not be Expanded

1:20-1:40 Taffi Schurz, Myia Wood, and Sara Schmidt, Efforts to Combat Terrorism Should be Expanded

1:40-1:45 Closing Remarks