Sixth Annual

*Southeast Missouri State University*

Student Research Conference

Sponsored by

Psi Chi, the Psychology Club, and the Psychology Department,

*and 1998 co-sponsors*

Tri Beta, the Biology Club, and the Biology Department

**Wednesday, April 29 and Thursday, April 30, 1998**

*9 a.m. to 5 p.m.*

*University Center Ballroom and the Party, Missouriana, Riverboat, University, and Indian Rooms*

*featuring keynote speaker*

**Dr. Dorothy W. Ige**

"Research: What's In It For Me?"

Wednesday 12:30-1:15 in the UC Ballroom

and

Roundtable Discussion on

"The Value of Conducting Research as an Undergraduate"

Led by **President Nitzschke**

Thursday 12:30-1:45 in the UC Party Room

**Conference Committee Student Chair:** Shawn Guiling

**Conference Committee Faculty Chair:** Dr. Martha S. Zlokovich

**Conference Committee:**

Dr. Rick Burns  Jennifer Gadberry  Beth Kinney
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<tbody>
<tr>
<td>Gabe Byars</td>
<td>Ben Glaus</td>
<td>Dayna Northington</td>
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<tr>
<td>Carrie Campbell</td>
<td>Bridget Greenwood</td>
<td>Dr. Fred Nute, MACC</td>
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<td>Kara Christopher</td>
<td>Chea Hale</td>
<td>Laura Saxe</td>
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<td>Lauri Conway</td>
<td>Sandra Hoene</td>
<td>Maudena Sheets</td>
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<td>Melissa Cruts</td>
<td>Rebecca Humphrey</td>
<td>Andrea Steiner</td>
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<td>Libby Dillaplain</td>
<td>Amy Inselman</td>
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<td>Beth Fox, TRCC</td>
<td>David Jenkins</td>
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Wednesday, April 29th
Short Program: Paper Presentations Ballroom
Session 1-Concurrent Session

9:00-9:05 Opening Remarks, Shawn Guiling

9:05-9:20 Jennifer Gadberry, Reactive Attachment Disorder of Infancy and Early Childhood: Information Regarding Diagnosis, Developmental Effects, Professional Intervention, and Resources and Techniques for the Caregiver

9:20-9:35 J. Mario McDermott, Oxidation of Thiols to Disulfides Using Molecular Bromine on Hydrated Silica Gel

9:35-9:50 Beth Kinney, Position Cues, Item Memory, or Item-Position Memory?

9:50-10:05 Break

Session 2-Concurrent Session

10:05-10:20 Justin Terrill and Kory Wilson, Influence of Music on Wingate Anaerobic Test Performance


10:35-10:50 Ryann Juden, The Experiences of a Missionary Who Served a Two Year Mission in Chile

10:50-11:05 Break

Session 3-Concurrent Session

11:05-11:20 David Jenkins, Argentina's First Family: Juan and Eva Peron's

Session 4-Concurrent Session

1:45-2:00 Bryan Denning, Simulating Optical Correlation on a Digital Image Processing Board

2:00-2:15 Beth A. Smith, A Party Through Time: American History Views the Copperheads

2:15-2:30 Ellen O'Rourke, A Descriptive Study of the Parenting Attitudes of Rural, White, Pregnant Adolescents and Their Mothers

2:30-2:35 Break

Session 5-Concurrent Session

2:35-2:50 Dana McDonough, Cost of Gliding in Petaurus breviceps

2:50-3:05 Bethany Holt, Sor Juana Ines de la Cruz: Promoting Ideas Through Poetic Means

3:05-3:20 Maudena Scheets, Recalled Parenting Style and Parenting Perfectionism

3:20-3:30 Break

Session 6-Concurrent Session

3:30-3:45 Rebecca Burns, Redistricting Leads to Incumbent Jeopardy in the South

3:45-4:00 Candace J. Wiggin, Oxidation of Secondary Alcohols with Jones' Reagent on Hydrated Silica Gel Support

4:00-4:15 Kari A. Williams, A Study of the Relationship Between Watching Television and Building Floor
Political Legacy

11:20-11:35 Regina F. Myers, Tina Wills, Stephanie Reed, Assessing Vo2 Max

11:35-11:50 Kara M. Christopher, Relation of Religious Beliefs and Gender to Attitudes Toward Nontraditional Relationships

11:50-12:30 Break

Keynote Speaker

12:30-12:35 Introduction of Keynote Speaker by Andrea Steiner, President of Psi Chi

12:35-1:15 Dr. Dorothy W. "Dee Dee" Ige on "Research: What's In It For Me?"

1:15-1:45 Break

Community in College Residence Halls

4:15-4:20 Break

4:20-4:35 Amber Longstreet, Effective Potential for e-Atom Scattering by DCS Minimization at Intermediate Energies

4:35-4:50 Tony Vincent and Erika Edwards, The Effects of Chronic Caffeine Intake on Activity Levels in Mus musculus

4:50-5:05 Sandra Hoene, Liberation Theology in Latin America

Wednesday, April 29th
Short Program: Paper Presentations Indian Room
Session 1 - Concurrent Session

9:05-9:20 Josh C. Woloszynek, Ampicillin-resistant Bacteria Recovered from a Meat-Packing Plant Sewage Lagoon

9:20-9:35 Gary Gene Fuenfhausen, Little Dixie's Economic Link to the Deep South: Missouri's Important Planter Culture

9:35-9:50 Sasha Bredeman, Oxidation of Sulfides with Jones' Reagent on Hydrated Silica Gel Support

Session 2 - Concurrent Session

10:05-10:20 Sean Humphrey, Differential Screening of Two cDNA Libraries from the Wood-decaying Fungus Schizophyllum commune

10:20-10:35 Sharon A. Braun, Sex-role Orientation in Relation to Problem-solving Ability

10:35-10:50 Laura Nicholson, The Legend and Legacy of "La Malinche"

10:50-11:05 Break

Session 3 - Concurrent Session

11:05-11:20 Stephanie Shipley, Determination of the Stability Constants for Formation of Complex Ions Between Lead (II) and Fluoride Ions

11:20-11:35 Laura Owens, Red Tide

11:35-11:50 Nancy Ann Kelley, Some Characteristics of 1/7 and 1 Divided by Other Primes

Session 4 - Concurrent Session

1:45-2:00 Jon B. Moore, A Law Internship with the Cape County Prosecutor

2:00-2:15 Matthew Klump and Andy Whitehead, East Perry Lumber: A Look at Sapstain

2:15-2:30 Shawn Guiling, Parent and College Student Perceptions of the Hurrying of Children

2:30-2:35 Break

Session 5 - Concurrent Session

2:35-2:50 Amber Longstreet, Surface Strain Analysis of Semiconducting GaN

2:50-3:05 Rebecca Burns, A Priori Truth Does Exist

3:05-3:20 Jennifer Huffman, A Quantitative Research Study of the Effects of Mass Media Exposure on Children

3:20-3:30 Break

Session 6 - Concurrent Session

3:30-3:45 Brooke Hildebrand, "Sigh No More..." Teaching Shakespeare Through Performance

3:45-4:00 Jessica A. Klinge, Vida en la America Central (Life in Central America)

4:00-4:15 Dana McDonough, The Rise of Fidel Castro
11:50-12:20 Break  

4:15-4:20 Break


4:35-4:50 Lynne Ahlgren, La Guerra Sucia - Argentina's Dirty War

4:50-5:05 Jeff Grundstad, Friedrich Schiller and His Contribution to "Klassik Literatur"

Wednesday Poster Presentations University Room 10:00-11:00

- Jennifer R. Patke, Honduras

- Amy C. Enzwiler and Holly R. White, Speech Deviancy and Its Effect on Impression Formation

- Sarah E. Ruopp, The Historic Sites of the Yucatan

- Carrie Melliges, Personality Disorders and Contraceptive Behavior

- Karla Smith, The Effect of Personality Disorders on Contraceptive Behavior

Wednesday Poster Presentations Riverboat Room 11:00-12:00

- Katrina Hummel, Amy Inselman, and Erica Ramos, Extracellular Proteolysis by Submerged Cultures of Schizophyllum commune

- Lesley Beggs and Angie Kelley, The Development of the ANGLES of Communication Speech and Language Screening for Preschool Children Residing in Rural Populations

- Cathy R. Wiseman, Self-Actualization Differences Among Female College
Students

- Erin E. Klinge, How Birth Order Affects Personality

- Rhonda Gayheart, Aimee Lalumandier, and Julie Layton, Smooth Talking: A Therapy Material Developed for Clients Who Stutter

Thursday, April 30th
Short Program: Paper Presentations Ballroom
Session 1

9:00-9:05 Opening Remarks, Dr. Martha S. Zlokovich

9:05-9:20 Natalie Gosejohan, Mary Harris, and Greg Hellwege, Human Preference for Sweetened, High-Fat Foods

9:20-9:35 Beth Kinney, Rats Use a Combination of Position and Item Information to Anticipate Upcoming Trials in a Series

9:35-9:50 Anne M. Kern, The Value of Historical Data in the Application of Interpretive Theories for Historical Archaeology

9:50-10:00 Break

10:00-10:15 Jennifer Hoffrage, Heinrich Heine: A Romantic of the Times

10:15-10:30 Delilah Tayloe, A Geneological Survey of Vernacular Architectural Forms from Tidewater Virginia to Hollywood

10:30-10:45 Emily McArthur, The Effects of Background Music on Listening Comprehension

10:45-11:05 Break

Session 2-Concurrent

11:05-11:20 Laura Saxe, Generalizing the Matching Law to Humans

11:20-11:35 Kim Valleroy, Molecular Analysis of Dichloropropane-dechlorinating Enrichment Cultures

11:35-11:50 Elizabeth Murphy,

Luncheon

12:30-1:00

Roundtable Discussion

moderated by President Nitzschke

1:00-1:45

Session 3

1:45-2:00 Thomas W. Tomlinson, Moments of Clarity: The Sensory Overload Experience

2:00-2:15 Mary Ann Newton, Rainer Maria Rilke: His Life and Experiences Through His Writing


2:30-2:35 Break

2:35-2:50 Chea Hale, Adolescent Murderers and Attribution

2:50-3:05 Scott C. Seabaugh, Signal Marker Shaper Circuit for a Microwave Spectrometer

3:05-3:20 Brian Hecktor, An Analysis of the Poem "Verborgenheit" by Eduard Moerike

Session 4

3:30-3:45 Erica Ramos, Hydrolytic Enzyme Activities During Nitrogen-limited Growth of the Three Strains of *Schizophyllum commune*

3:45-4:00 John Bechtold, The Conquest
Holderlin in Review

11:50-12:05 Rachel S. Downing, The Relationship Between Recall, Self-Reports on Memory, and Four Lie Scales

12:05-12:20 Natalie Miles, Do You See What I See A Chicano Renaissance

Awards

12:20-12:30 Presentation of Awards by Dr. Nancy Blattner, Shawn Guiling, and Gabe Byars

4:00-4:15 Kara M. Christopher, Deformed Frogs: From the Great Lakes to the Mississippi River


4:30-4:45 Peggy Stocker, Important Aspects of the Incan Religion and Culture

Thursday, April 30th
Short Program: Paper Presentations Indian Room
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<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Title</th>
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<tbody>
<tr>
<td>11:05-11:20</td>
<td>Amy Hankins</td>
<td>Therapeutic Qualities of Dance</td>
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<td>11:20-11:35</td>
<td>Jamie Johnston</td>
<td>Electrophoretic Characterization of $Schizophyllum commune$ Esterases</td>
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<td>Dorian O. Orr</td>
<td>The Influence of Blacks in German Literature During Classicism and Naturalism Periods</td>
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<td>11:35-11:50</td>
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<td>11:50-12:20</td>
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<td>Break</td>
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<td>1:45-2:45</td>
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**Poster Presentations Riverboat Room**

- Sarah Purkett, Latin American Festivals
- Carrie Campbell, Susan Hancock, Sean Humphrey, and Erica Ramos, Differential Display Analysis of Nitrogen-stressed $Schizophyllum commune$
- Guadalupe Dorsett-Davis, Diego Rivera: Mexican Muralist
- Amy Inselman, Two Fluorescent Markers for the Vacuolar System of $Schizophyllum commune$
- Lacey Mitchell, The Mayan Ruins of Copan
1998 Program

Wednesday Paper Presentations Ballroom

*** Session 1 ***

Sandra Hoene, Session Chair

9:05-9:20

Jennifer Gadberry

Reactive Attachment Disorder of Infancy and Early Childhood: Information Regarding Diagnosis, Developmental Effects, Professional Intervention, and Resources and Techniques for the Caregiver

Major: Psychology

Faculty Sponsor: Dr. Gail Overbey

9:20-9:35

J. Mario McDermott and Mohammed Ali*

Oxidation of Thiols to Disulfides Using Molecular Bromine on Hydrated Silica Gel

Major: Biology

Faculty Sponsor: Dr. Mohammed Ali

9:35-9:50

*** Session 2 ***

Kara Christopher, Session Chair

10:05-10:20

Justin Terrill and Kory Wilson

Influence of Music on Wingate Anaerobic Test Performance

Major: Health Management

Faculty Sponsor: Dr. Joe Pujol

10:20-10:35

Catherine W. Devaney

An Investigation of Career Decision-Making Self-Efficacy in Relationship to General Decision-Making Skills

Major: Community Counseling

Faculty Sponsor: Dr. Ann Puryear

10:35-10:50

Ryann Juden

The Experiences of a Missionary Who Served a Two Year Mission in Chile
Beth A. Kinney

Position Cues, Item Memory, or Item-Position Memory?

Major: Psychology

Faculty Sponsor: Dr. Rick Burns

Major: Spanish

Faculty Sponsor: Dr. Lynne F. Margolies

Wednesday Paper Presentations Ballroom
**Session 3**

**Rebecca Humphrey, Session Chair**

11:05-11:20

**David Jenkins**

Argentina's First Family: Juan and Eva Peron's Political Legacy

*Major:* Spanish

*Faculty Sponsor:* Dr. Lynne F. Margolies

11:20-11:35

**Regina F. Myers, Tina Wills, and Stephanie Reed**

Assessing Vo2 Max

*Major:* Health Management Fitness/Sports Medicine

*Faculty Sponsor:* Dr. Joe Pujol

11:35-11:50

**Kara M. Christopher**

Relation of Religious Beliefs and Gender to Attitudes Toward Nontraditional Relationships

*Major:* Community Counseling

*Faculty Sponsor:* Dr. Leslee K. Pollina

12:30-1:15

**Dr. Dorothy W. "Dee Dee" Ige**

will present the keynote address

**Research: What's In It For Me?**

Dr. Ige is Professor of Speech Communication and Chair of the Communication Department at Indiana University Northwest (IUN). She recently served as Interim Chair of Minority Studies and as President of Faculty Organization (Senate) at IUN.

Dr. Ige serves as Corporate Trainer on Business Communication Skills and as Education Consultant on Crosscultural Communication in Schools. She has been the Keynoter or Seminar Leader of hundreds of speaking engagements.

Various awards and honors which Dr. Ige has received include the prestigious teaching award for the IUN campus, 1991, and the Chamber of Commerce business women's Athena Award in 1992.

Dr. Ige received her B.S. in 1971 from Southeast Missouri State University and her Ph.D. in 1980 from Ohio State University. She has published about 20 journal articles and book chapters on speechmaking, education, gender, and
multiculturalism.

Dr. Ige is a member of several Gary/Chicago community organizations and several professional associations. She has served as Caucus President of the National Speech Communication Association and, through teaching and research studies, has traveled to over 20 countries in Africa, Canada, the Caribbean, and Europe.

*faculty sponsor

Wednesday Paper Presentations Ballroom
**Session 4**

Chea Hale, Session Chair

1:45-2:00

*Bryan Denning and Bret Draayer*

Simulating Optical Correlation on a Digital Image Processing Board

Major: Physics

Faculty Sponsor: Dr. Bret Draayer

2:00-2:15

*Beth A. Smith*

A Party Through Time: American History Views the Copperheads

Major: History

Faculty Sponsor: Dr. Frank Nickell

2:15-2:30

*Ellen O'Rourke*

A Descriptive Study of the Parenting Attitudes of Rural, White, Pregnant Adolescents and Their Mothers

Major: Nursing

Faculty Sponsor: Dr. Elaine Jackson

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**Session 5**

Melissa Cruts, Session Chair

3:30-3:45

*Rebecca Burns*

Redistricting Leads to Incumbent Jeopardy in the South

Major: Interdisciplinary

Faculty Sponsor: Dr. Russell D. Renka

3:45-4:00

*Candace J. Wiggin and Mohammed Ali*

Oxidation of Secondary Alcohols with Jones' Reagent on Hydrated Silica Gel Support

Major: Chemistry/Biology

Faculty Sponsor: Dr. Mohammed Ali

4:00-4:15

Kari A. Williams

A Study of the Relationship Between Watching Television and Building Floor Community in College Residence Halls

Major: Journalism

Faculty Sponsor: Karie Hollerbach

4:15-4:20

Break

4:20-4:35

*Amber Longstreet and Joseph M.*
Cost of Gliding in *Petaurus breviceps*

*Majors*: Biology/Spanish

*Faculty Sponsor*: Dr. John S. Scheibe

2:50-3:05

*Bethany Holt*

*Sor Juana Ines de la Cruz: Promoting Ideas Through Poetic Means*

*Majors*: Spanish Education

*Faculty Sponsor*: Dr. Lynne F. Margolies

3:05-3:20

*Maudena Scheets*

*Recalled Parenting Style and Parenting Perfectionism*

*Majors*: Psychology

*Faculty Sponsor*: Dr. William E. Snell, Jr.

4:35-4:50

*Tony Vincent and Erika Edwards*

*The Effects of Chronic Caffeine Intake on Activity Levels in Mus musculus*

*Majors*: Psychology

*Faculty Sponsor*: Dr. Norman E. Kinney

4:50-5:05

*Sandra Hoene*

*Liberation Theology in Latin America*

*Majors*: Spanish

*Faculty Sponsor*: Dr. Lynne F. Margolies

5:05-5:20

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Wednesday Paper Presentations - Indian Room
**Session 1**

Rebecca Humphrey, Session Chair

9:05-9:20

_Josh C. Woloszynek and James E. Champine*

**Ampicillin-resistant Bacteria Recovered from a Meat-Packing Plant Sewage Lagoon**

*Major: Biology/Cellular and Molecular*

*Faculty Sponsor: Dr. James E. Champine*

9:20-9:35

_Gary Gene Fuenfhausen*

**Little Dixie's Economic Link to the Deep South: Missouri's Important Planter Culture**

*Major: History/Historic Preservation*

*Faculty Sponsor: Dr. Steven J. Hoffman*

9:35-9:50

_Sasha Bredeman and Mohammed Ali*

**Oxidation of Sulfides with Jones' Reagent on Hydrated Silica Gel Support**

*Major: Chemistry*

*Faculty Sponsor: Dr. Mohammed Ali*

Session 2

10:35-10:50

Laura Nicholson

The Legend and Legacy of "La Malinche"

*Major: English/Literature*

*Faculty Sponsor: Dr. Lynne F. Margolies*

Session 3

 Carrie Campbell, Session Chair

11:05-11:20

Stephinie Shipley and Mike Readnour*

**Determination of the Stability Constants for Formation of Complex Ions Between Lead (II) and Fluoride Ions**

*Major: Chemistry*

*Faculty Sponsor: Dr. Mike Readnour*

11:20-11:35

Laura Owens

Red Tide

*Major: Biology*

*Faculty Sponsor: Dr. Lawrence V. Clark*

11:35-11:50

Nancy Ann Kelley

**Some Characteristics of 1/7 and 1**
Jennifer Gadberry, Session Chair

10:05-10:20

Sean Humphrey

Differential Screening of Two cDNA Libraries from the Wood-decaying Fungus *Schizophyllum commune*

*Major: Biology*

*Faculty Sponsor: Dr. Allen Gathman*

10:20-10:35

Sharon A. Braun

Sex-role Orientation in Relation to Problem-solving Ability

*Major: Community Counseling*

*Faculty Sponsor: Dr. Ann Puryear*

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*faculty sponsor

Wednesday Paper Presentations - Indian Room
### Session 4

Andrea Steiner, Session Chair

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<tr>
<td>1:45</td>
<td>Jon B. Moore</td>
<td>A Law Internship with the Cape County Prosecutor</td>
<td>Accounting</td>
<td>Dr. Ginny Moore</td>
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<td>2:00</td>
<td>Matthew Klump and Andy Whitehead</td>
<td>East Perry Lumber: A Look at Sapstain</td>
<td>Production Operations/Management</td>
<td>Dr. Ike C. Ehie</td>
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<tr>
<td>2:15</td>
<td>Shawn Guiling</td>
<td>Parent and College Student Perceptions of the Hurrying of Children</td>
<td>Psychology</td>
<td>Dr. Gail Overbey</td>
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### Session 6

David Jenkins, Session Chair

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<tr>
<td>3:30</td>
<td>Brooke Hildebrand</td>
<td>&quot;Sigh No More...&quot; Teaching Shakespeare Through Performance</td>
<td>Speech and Theatre Education</td>
<td>Dr. Donald J. Schulte</td>
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<tr>
<td>3:45</td>
<td>Jessica A. Klinge</td>
<td>Vida en la America Central (Life in Central America)</td>
<td>Elementary Education</td>
<td>Dr. Leon C. Book</td>
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<tr>
<td>4:00</td>
<td>Dana McDonough</td>
<td>The Rise of Fidel Castro</td>
<td>Spanish/Biology</td>
<td>Dr. Lynne F. Margolies</td>
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### Session 5

Libby Dillaplain, Session Chair

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<tr>
<td>2:35</td>
<td>Break</td>
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<tr>
<td>4:00</td>
<td>Dana McDonough</td>
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<tr>
<td>4:15</td>
<td>Libby Dillaplain, Session Chair</td>
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4:20-4:35
Amber Longstreet

Surface Strain Analysis of Semiconducting GaN

Major: Physics

Faculty Sponsor: Dr. Jai Dahiya

2:50-3:05

Chadwick Boehlke

A Historic Research of the Mills & Millers of French Colonial Illinois

Major: Historic Preservation

Faculty Sponsor: Dr. Bonnie Stepenoff

4:35-4:50

Rebecca Burns

A Priori Truth Does Exist

Major: Interdisciplinary

Faculty Sponsor: Dr. William McKinney

3:05-3:20

Lynne Ahlgren

La Guerra Sucia - Argentina's Dirty War

Major: Spanish

Faculty Sponsor: Dr. Lynne F. Margolies

4:50-5:05

Jennifer Huffman

A Quantitative Research Study of the Effects of Mass Media Exposure on Children

Major: Mass Communications

Faculty Sponsor: Karie Hollerbach

Jeff Grundstad

Friedrich Schiller and His Contribution to "Klassik Literatur"

Major: German

Faculty Sponsor: Dr. Dieter Jedan

Wednesday Poster Session University Room

10:00 - 11:00 Session Chair-Addie Raines
Jennifer R. Patke
Honduras
Major: Spanish Education
Faculty Sponsor: Dr. Lynne F. Margolies

Amy C. Enzwiler and Holly R. White
Speech Deviancy and Its Effect on Impression Formation
Major: Communication Disorders
Faculty Sponsor: Dr. Martha S. Zlokovich

Sarah Ruopp
The Historic Sites of the Yucatan
Major: Elementary Education
Faculty Sponsor: Dr. Lynne F. Margolies

Carrie Melliges
Personality Disorders and Contraceptive Behavior
Major: Psychology/Criminal Justice
Faculty Sponsor: Dr. William E. Snell, Jr.

Karla Smith
The Effect of Personality Disorders on Contraceptive Behavior
Major: Psychology
Faculty Sponsor: Dr. William E. Snell, Jr.

Wednesday Poster Session Riverboat Room
11:00 - 12:00 Session Chair-Dayna Northington

Katrina Hummel, Amy Inselman, and Erica Ramos
Extracellular Proteolysis by Submerged Cultures of Schizophyllum commune
Major: Biology
Faculty Sponsor: Dr. Walt Lilly
Lesley Beggs, Angie Kelley, and Marcia Brown*

Erin E. Klinge
How Birth Order Affects Personality
Major: Secondary Education/Social Studies
Faculty Sponsor: Dr. Martha S. Zlokovich
Rhonda Gayheart, Aimee Lalumandier, and Julie Layton
Smooth Talking: A Therapy Material
The Development of the ANGLES of Communication Speech and Language Screening for Preschool Children Residing in Rural Populations

Major: Communication Disorders

Faculty Sponsor: Dr. Marcia J. Brown

Cathy R. Wiseman

Self-Actualization Differences Among Female College Students

Major: Psychology

Faculty Sponsor: Dr. Martha S. Zlokovich

*faculty sponsor

Thursday Paper Presentations - Ballroom
**Session 1**

Ben Glaus, Session Chair

9:05-9:20

Natalie Gosejohan, Mary Harris, and Greg Hellwege

Human Preference for Sweetened, High-fat Foods

*Major:* Psychology

*Faculty Sponsor:* Dr. Norman E. Kinney

9:20-9:35

Beth A. Kinney

Rats Use a Combination of Position and Item Information to Anticipate Upcoming Trials in a Series

*Major:* Psychology

*Faculty Sponsor:* Dr. Rick Burns

9:35-9:50

Anne M. Kern

The Value of Historical Data in the Application of Interpretive Theories for Historical Archaeology

*Major:* Historic Preservation

*Faculty Sponsor:* Dr. Carol A. Morrow

**Session 2**

Laura Saxe, Session Chair

10:00-10:15

**Session 3**

Libby Dillaplain, Session Chair

11:05-11:20

Laura Saxe

Generalizing the Matching Law to Humans

*Major:* Psychology

*Faculty Sponsor:* Dr. Norman E. Kinney

11:20-11:35

Kim Valleroy and James Champine*

Molecular Analysis of Dichloropropane-dechlorinating Enrichment Cultures

*Major:* Biology

*Faculty Sponsor:* Dr. James E. Champine

11:35-11:50

Elizabeth Murphy

Holderlin in Review

*Major:* Elementary Education

*Faculty Sponsor:* Dr. Dieter Jedan

11:50-12:05

Rachel S. Downing

The Relationship Between Recall, Self-reports on Memory, and Four
Jennifer Hoffrage

Heinrich Heine: A Romantic of the Times

Major: German/Biology

Faculty Sponsor: Dr. Dieter Jadan

10:15-10:30

Delilah Tayloe

A Geneological Survey of Vernacular Architectural Forms from Tidewater Virginia to Hollywood

Major: Historic Preservation

Faculty Sponsor: Dr. Steven Hoffman

10:30-10:45

Emily McArthur

The Effects of Background Music on Listening Comprehension

Major: Psychology

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Lie Scales

Major: Psychology

Faculty Sponsor: Dr. Phillip Finney

12:05-12:20

Natalie Miles

Do You See What I See A Chicano Renaissance

Major: Spanish

Faculty Sponsor: Dr. Lynne F. Margolies

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12:20-12:30
The Awards Ceremony will be held to recognize the recipients of the Best Paper and Best Poster Honors.

12:30-1:00
Roundtable Discussion Panel Luncheon with President Nitzschke

1:00-1:45
Roundtable Discussion, moderated by President Nitzschke, on the value of conducting research as an undergraduate. All student researchers and faculty are invited to attend

Thursday Paper Presentations - Ballroom
and participate. Snacks will be available.

**Session 4**

Dayna Northington, Session Chair

1:45-2:00

*Thomas W. Tomlinson*

Moments of Clarity: The Sensory Overload Experience

*Major: Psychology*

*Faculty Sponsor: Dr. Lawrence V. Clark*

2:00-2:15

*Mary Ann Newton*

Rainer Maria Rilke: His Life and Experiences Through His Writing

*Majors: German*

*Faculty Sponsor: Dr. Andrew L. Pratt*

**Session 5**

Kara Christopher, Session Chair

2:35-2:50

*Chea Hale*

Adolescent Murderers and Attribution

*Major: Psychology/Sociology*

*Faculty Sponsor: Dr. Martha S. Zlokovich*

2:50-3:05

*Scott C. Seabaugh and Jai N. Dahiya*

Signal Marker Shaper Circuit for a Microwave Spectrometer

*Major: Engineering Physics*

*Faculty Sponsor: Dr. Jai N. Dahiya*
2:15-2:30

William D. Dement, II


Major: Philosophy/Religion

3:05-3:20

Brian Hecktor

An Analysis of the Poem "Verborgenheit" by Eduard Moerike

Major: German

Faculty Sponsor: Dr. Dieter Jedan

*faculty sponsor

Thursday Paper Presentations - Ballroom

* * * Session 6 * * *

Gabe Byars, Session Chair

3:30-3:45

Erica Ramos

Hydrolytic Enzyme Activities During Nitrogen-limited Growth of the Three Strains of Schizophyllum commune

Major: Biology

Kara M. Christopher

Deformed Frogs: From the Great Lakes to the Mississippi River

Major: Psychology

Faculty Sponsor: Dr. William McKinney

4:00-4:15

4:15-4:30
Faculty Sponsor: Dr. Walt Lilly

3:45-4:00

**John Bechtold**

The Conquest of Guatemala

*Major:* Spanish Education

*Faculty Sponsor:* Dr. Lynne F. Margolies

Lee S. Rains

The Differing Ethics of Professional Archaeologists, Archivists, and Museologists Concerning Private Collection Practices

*Major:* Historic Preservation

*Faculty Sponsors:* Dr. Bonnie Stepenoff and Dr. Carol Morrow

4:30-4:45

**Peggy Stocker**

Important Aspects of the Incan Religion and Culture

*Major:* Wildlife Biology

*Faculty Sponsor:* Dr. Lynne F. Margolies

Thursday Paper Presentations - Indian Room

***Session 2***

11:05-11:20

**Amy Hankins**

Therapeutic Qualities of Dance

*Major:* Dance

*Faculty Sponsor:* Dr. Marc Strauss

11:20-11:35

**Jamie Johnston**

Electrophoretic Characterization

11:35-11:50

**Dorian O. Orr**

The Influence of Blacks in German Literature During Classicism and Naturalism Periods

*Major:* German

*Faculty Sponsor:* Dr. Dieter Jedan
of *Schizophyllum commune* Esterases

*Major:* Biology

*Faculty Sponsor:* Dr. Walt Lilly

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**Thursday Poster Session Riverboat Room**

1:45 - 2:45 Session Chair - Shawn Guiling

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<thead>
<tr>
<th>Sarah Purkett</th>
<th>Guadalupe Dorsett-Davis</th>
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<tr>
<td><strong>Latin American Festivals</strong></td>
<td><strong>Diego Rivera: Mexican Muralist</strong></td>
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<td><em>Major:</em> Spanish</td>
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<td>Carrie Campbell, Susan Hancock, Sean Humphrey, and Erica Ramos</td>
<td>Amy Inselman</td>
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<tr>
<td><strong>Differential Display Analysis of Nitrogen-stressed <em>Schizophyllum commune</em></strong></td>
<td><strong>Two Fluorescent Markers for the Vacuolar System of <em>Schizophyllum commune</em></strong></td>
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*faculty sponsor
Philosophy of the

Student Research Conference:

The Southeast Missouri State University Student Research Conference was founded in 1993 to promote and recognize those students who have devoted their time and interests to the pursuit of academic research. It is the intention of this conference to provide a forum and recognition to those who are already conducting research, to inspire other students to do the same, and to encourage a fully interdisciplinary involvement of Southeast Missouri State University students.

Acknowledgments:

The members of the Conference Committee for the Sixth Annual Southeast Missouri State University Student Research Conference wish to extend their most sincere appreciation and thanks to President Nitzschke for his generous support of all the student researchers and this conference, as well as moderating the roundtable discussion; to Phi Kappa Phi, for their generous donation of award money; to Dr. Fred Nute, for acting as our liaison to Mineral Area Community College; to Beth Fox, for acting as our liaison to Three Rivers Community College; to Dr. Tom Harte and Dr. Leslee Pollina, for donating their time and expertise in helping students prepare for their presentations; to Dr. Richard Burns for coordinating the judging committee, and Dr. Phil Finney for helping us prepare to be session chairs; and to Sandy Bedwell and the UC staff for making sure the conference ran smoothly. We would also like to thank Southeast Creative Communications, the public relations agency of the Public Relations Student Society of America (PRSSA), for their design theme and creativity in helping with our publicity.

A special thank you is extended to the judges for the best paper and poster competitions: Dr. Rick Althaus, Dr. Richard Burns, Dr. Jennie Cooper, Dr. Phil Finney, Dr. Lynne F. Margolies, Dr. David Probst, Rebecca Humphrey, Gabe Byars, Sandra Hoene, Jennifer Gadberry. We thank all faculty members who encouraged their students to submit research and to participate as audience members.

Most of all, we thank all the students who participated in the experience of making the Sixth Annual Southeast Missouri State University Student Research Conference a success.