4th Annual
Undergraduate
Research Symposium

Program

Saturday
April 26, 2003

University Center,
UWSP Campus
‡ Oral Presentations ‡

*See Program for Individual Room Locations*
9:00 – 10:00

‡ Poster Presentations ‡
Located in the LaFollette Lounge
10:00 – 11:00

‡ Oral Presentations ‡

*See Program for Individual Room Locations*
11:00 - 12:00

‡ Lunch ‡
Served in the Laird Room at Noon

Ceremony Master: Justus F. Paul
Dean, College of Letters and Science, UWSP

Welcome by Tom George
Chancellor, UWSP

Poster Presentations
Poster Presentations

Department of Biology

- Sitting Quietly: Observation on the Reproduction and Behavior of *Agalychnis Graspedopus*, The Amazon Leaf Frog
  Tammy Fuehrer, Shawn Miller, Clint Otto, Gabriel Miller, Brian Crnobrn
  Faculty Mentor: Dr. Erik Wild

- Prevalence of *Bartonella* species in deer ticks from Wisconsin
  Matthew Beard
  *Faculty Mentor: Dr. Diane A. Caporale*

- Implementation of Clams as Biological Filters in Recirculating Aquaculture Systems
  Christopher Houghton
  *Faculty Mentor: Dr. Christopher Hartleb*

- Diet Selection of Cultured Yellow Perch Fry
  Jennifer Bray, Tamara Peters, Brent Southworth
  *Faculty Mentor: Dr. Christopher Hartleb*

- Identification of Plankton in Fish Culture Ponds
  JoAnna Niemeyer
  *Faculty Mentor: Dr. Christopher Hartleb*

- Bringing True 3-D Images to the Classroom
  Christopher J. Cousineau
  *Faculty Mentor: Dr. Sol Sepsenwol*

- Improving the success of animal adoptions: A community-based project under Development
  Kristina J. Chartier, Cassandra R. Heuer, Elizabeth A. Spiess, Heather A. Vosters
  *Faculty Mentor: Dr. Isabelle Girard*

Poster Presentations

- Characterization of Proteins Using Two-Dimensional Electrophoresis
  Michael Endsley, Jason Brazzale, Elisha Bergmann, Christina Carlson, Katy Mijal, Cassandra Theusch
  *Faculty Mentor: Dr. Ed Gasque*

- The Occurrence of *Ribeiroida ondatrae* (Platyhelminthes: Trematoda) Life Stages in Snail and Amphibian Hosts
  Jessica Orlofske, Sarah Orlofske, Nathan Peterson
  *Faculty Mentor: Dr. Steve Taft*

- Competition Between Native and Non-Native Prairie Plants
  Alana Giefer
  *Faculty Mentor: Dr. Kama Almasi*

- Prevalence, Histochemistry, and Histopathology of Gregarines (Protozoan) Infecting Wisconsin Odonates (Dragonflies and Damselflies)
  Jessica Orlofske, Sarah Orlofske
  *Faculty Mentor: Dr. Steve Taft*

- Infection Rates of HGE and Babesiosis in Wisconsin
  Mark Kenton
  *Faculty Mentor: Dr. Diane Caporale*
Poster Presentations

**Department of Chemistry**

- Cellulose Derivation to Apply Cationic Charge  
  Steven D. Nieland  
  *Faculty Mentor: Dr. Thomas Zamis*

- The Rotational Barrier in a Series of Substituted N,N-Dimethyl Benzamides  
  Nevin Mlodik  
  *Faculty Mentor: Dr. James Brummer*

- Quantitative Analysis of Hypericin Content of Eight St. John’s Wort Brands Available in the Midwestern United States  
  Amanda Greuel  
  *Faculty Mentor: Dr. Laura Cole*

- Synthesis of Degradable Copolymers For Biomedical Applications  
  Matthew D. Schmidt, Duffy M. Casey  
  *Faculty Mentor: Dr. John P. Droske*

- The Excited State Characteristics of a Series of Iridium(I) Centered Complexes  
  Maria Powell  
  *Faculty Mentor: Dr. James Brummer*

- The Synthesis and Characterization of Cadmium Sulfide Nanoparticles Coupled to Gold  
  Nicholas Travia  
  *Faculty Mentor: Dr. Robin Tanke*

**Department of Geography / Geology**

- Identification and Mapping of optimum habitat for *Lupinus perennis* L. using GIS  
  Randall Jerome, Jerry Petruzalek, Jeremy Fischer, Andrew J. Levy  
  *Faculty Mentor: Dr. N. C. Heywood*

- Preliminary data processing and mapping for time-series and spatial analyses of human impact on soils in SW Hungary  
  Amy J. Phelps  
  *Faculty Mentor: Dr. Salvatore Engel-Di Mauro*

**Department of Physics/Astronomy**

- Ionic Conductivity in Several Copper and Silver Argyrodites  
  Michael Stoneman  
  *Faculty Mentor: Dr. Bob Beeken*

- Minimization of Laser Pulse Duration for a Dynamic Reflectivity Experiment  
  Paul Omernik  
  *Faculty Mentor: Dr. Gregory Taft*

- Generating trustworthy models of low-mass white dwarf stars with a minimum of computational complexity  
  Nea H. Gouin  
  *Faculty Mentor: Dr. David H. Tamres*
Poster Presentations

Department of Psychology

- How Gender Stereotypes Lead to the Endorsement of Domestic Violence
  Jennifer Nyman
  Faculty Mentor: Dr. Renae Franiuk

- Varsity Athletes Rate Sports Hazing As More Likely And Enhancing
  Loren Lauffer 02, Joseph Kosmalski, Michelle Fitch,
  Yee Ping Teo
  Faculty Mentor: Dr. Amy Gervasio

- Implicit Theories of Relationships and Attributional Processes
  Amy Borchardt
  Faculty Mentor: Dr. Renae Franiuk

ORAL PRESENTATIONS
SESSION I  9:00 – 10:00

RESEARCH IN BIOLOGY I
University Center Room 205
Session Moderator: Dr. Kama N. Almasi

► Inheritance of Resistance to Potato Early Dying Disease
  Philip J. Kauth
  Faculty Mentor: Dr. Shelley Jansky

► Toward an Understanding of the Physiological Basis of Resistance to Potato Early Dying Disease
  Dana Benson
  Faculty Mentor: Dr. Shelley Jansky

RESEARCH IN BIOLOGY II
University Center Room 207
Session Moderator: Dr. Isabelle Girard

► Paternal Aggression and Reproductive Success in Mice
  Jaime M. Clark, Alison J. Cressey, Jill M. Flugaur, Tara E. Turner
  Faculty Mentor: Isabelle Girard

RESEARCH IN MARKETING
University Center Room 235 A
Session Moderator: Dr. Elizabeth Martin

► Marketing Research Study of UWSP Dormitory Parking Problems
  James Santy
  Faculty Mentor: Dr. Elizabeth Martin

► Difficulty Bridging the Gap
  Morgan Noel and Wendy Lenz
  Faculty Mentor: Barbara Mihm

RESEARCH IN LITERACY and MUSICAL EXPRESSION
University Center Room 125 B
Session Moderator: Dr. Robin Tanke

► Music’s Effect on Literacy and Thought Processes
  Amy Sawyer
  Faculty Mentor: Dr. Dan Dieterich
Oral Presentations 9-10 a.m.

RESEARCH IN HISTORY I
University Center, Room 115
Session Moderator: Dr. Nancy LoPatin-Lummis

Phi Alpha Theta Session I: Topics in U.S. Civil War History

► Immigrant Irish and the New York City Draft Riot of 1863
Michael Gerlach
Faculty Mentor: Dr. Nancy LoPatin-Lummis, Dr. Paul Mertz

► The Emancipation Proclamation and British Public Opinion during the Civil War
Christopher Ewan
Faculty Mentor: Dr. Nancy LoPatin-Lummis

RESEARCH IN PHILOSOPHY
University Center, Room 113
Session Moderator: Dr. Greg Taft

► Nietzsche’s Challenge: On the Value of Faith in Truth:
Ryan T.O’Leary
Faculty Mentor: Dr. Karen Fry

► An Overview of the Etymology and Current Usage of the Word Truth
Randy L. Lukasavige
Faculty Mentor: Dr. Karen Fry

RESEARCH IN RELIGIOUS STUDIES
University Center, Room 239
Session Moderator: Alice Keefe

► The Origins of the Christmas Witch and Other Twelfth Night Characters
Andrew Williams
Faculty Mentor: Dr. Alice Keefe

► Resistance and Persistence of Slavic Paganism in the 9th to the 11th Centuries
Daniel Leszczynski
Faculty Mentor: Dr. Alice Keefe

RESEARCH IN SOCIOLOGY and COMPUTER INFORMATION SYSTEMS
University Center Room 125 A
Session Moderator: Dorothy De Boer

► Portage County Social and Community Indicators Project
Jen Stadera
Faculty Mentor: Dr. Gary Itzkowitz

► Humane Society Animal Tracking System: A Case Study
Nicholas DeSteffen
Faculty Mentor: Dr. Dan Goulet
Oral Presentations 11-12 noon

SESSION II: 11:00 – 12:00

RESEARCH IN BIOLOGY III
University Center Room 205
Session Moderator: Dr. Sol Sepsenwol

- Screening for Resistance to White Mold in Wild Potato Species
  
  **Patrick M. Cobb**
  
  *Faculty Mentor: Dr. Shelley Jansky*

- Evaluating Resistance of Potato Tubers to *Phytophthora infestans*, the Casual Agent of Late Blight Disease
  
  **Jennifer Benson**
  
  *Faculty Mentor: Dr. Terese Barta*

RESEARCH IN BIOLOGY IV
University Center Room 207
Session Moderator: Dr. Diane Caporale

- Infection Rates of HGE and Babesiosis in Wisconsin
  
  **Garrett A. Kaas**
  
  *Faculty Mentor: Dr. Diane Caporale*

Oral Presentations 11-12 noon

RESEARCH IN AFRICAN AMERICAN and WOMEN’S STUDIES
University Center Room 235 A
Session Moderator: Dr. Mark Balhorn

- Mistresses and their Slave Women on the Antebellum Alabama Plantations
  
  **Amanda Lutzke**
  
  *Faculty Mentor: Dr. Nancy LoPatin-Lummis*

- Are Black Americans Really African Americans?
  
  **Bijou Muhura**
  
  *Faculty Mentor: Dr. Mark Balhorn*

RESEARCH IN HISTORY II
University Center Room 113
Session Moderator: Dr. Greg Summers

- Irish and German Immigrants in Milwaukee During the 19th Century
  
  Dilara McElmurry, University of Wisconsin-Parkside

- Born Savages: The Irish and Oneida in Wisconsin
  
  Meara Feely, University of Wisconsin-Parkside
RESEARCH IN HISTORY III
University Center Room 115
Session Moderator: Anthony Gulig,
University of Wisconsin-Whitewater

- Phi Alpha Theta Session III: Indigenous Rebellions
- The Oppressed-Origins of the Maori Rebellion Against the British in New Zealand
  Katherine Bordeaux, Cardinal Stritch University

- Where is John Wayne? The Menominee Warriors Society, Indian Militancy, and Social Unrest During the Alexian Brothers Novitiate Takeover
  Libby R. Tronnes, University of Wisconsin-Whitewater

RESEARCH IN PHILOSOPHY and HISTORIOGRAPHY
University Center Room 125 B
Session Moderator: Dr. J. Rixey Ruffin

- Ethics: A Common Sense Proposal for an Age Old Debate
  Seth Huebner
  Faculty Mentor: Dr. David Chan

- Puritans and their Pursuit of Pleasure
  Nancy J. LeMahieu, Lakeland College
  Faculty Mentor: Dr. Eric Yonke

RESEARCH IN RELIGIOUS STUDIES II
University Center Room 239
Session Moderator: Dr. Alice Keefe

- The Flood Story in Genesis 6: A Critical Analysis of Contrasting Interpretations
  Robert Schultz
  Faculty Mentor: Dr. Alice Keefe

- Spiritual Experience and Psychopathology
  Alexis Gibson
  Faculty Mentor: Dr. Alice Keefe

RESEARCH IN POLITICAL SCIENCE and HISTORY
University Center Room 125 A
Session Moderator: Dr. Jianwei Wang

- The Preacher, The People, and the Peace: Woodrow Wilson and the Struggle for the League of Nations
  Brian Sheffler, University of Wisconsin-Parkside
  Faculty Mentor: Dr. Eric Yonke

- The Rule of Law in the Eyes of the United Nations System Undergraduate Educational Initiative
  Frank P. Gaura
  Faculty Mentor: Dr. Jianwei Wang
Phi Alpha Theta Afternoon Sessions
1-2:30 p.m.

*Slavery in the United States*
Room 125A

► Legal Transformation of the African in Colonial Virginia: From Man to Slave
Matthew French, University of Wisconsin-Whitewater

► Free Blacks Vs. Slaves in Colonial America
Angela Owen, University of Wisconsin-Parkside

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*World War II in Europe and the United States*
Room 125B

► A Dark Moment in American History: Japanese Internment in World War II
Elaina Meier, University of Wisconsin-Parkside

► Switzerland and the Holocaust
Jason Verber, University of Wisconsin-Stevens Point

► Legions of Steel: Small Unit, combined Arms Tactics on the Eastern Front During World War II
Jeremy Byers, University of Wisconsin-Eau Claire


The College of Letters and Science wishes to thank the committee of faculty that assisted in planning this event:

Richard Crowther
Department of Biology

Eugene Johnson
Department of Chemistry

Jin Wang
Associate Dean

Dona Warren
Department of Philosophy

Eric Yonke
Department of History

University of Wisconsin-Stevens Point
College of Letters & Science