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

Dôna Warren, Department of Philosophy
Padmanabhan Sudevan, Department of Psychology
Richard Crowther, Department of Biology
Eugene Johnson, Department of Chemistry
Jin Wang, Associate Dean

University of Wisconsin – Stevens Point College of Letters and Science

3rd Annual Undergraduate Research Symposium Program

University Center,
UW-Stevens Point Campus

Saturday
April 27, 2002
♦ 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 Alumni Lounge at Noon

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

Welcome by Dr. Bill Meyer,
Provost and Vice Chancellor for
Academic Affairs, UWSP

Your name tags and lunch tickets are available
at the Registration Table
located in the LaFollette Lounge.
Department of Biology

Identification of Scab Resistant Potato Haploid Clones
Elizabeth Mauritz
Faculty Mentor: Dr. Shelley H. Jansky

AP-PCR Fingerprints Reveal Distinct Populations of Rainbow Smelt in the Western Great Lakes
Tracy Back, Theodore W. Peters
Faculty Mentor: Dr. Diane A. Caporale-Hartleb

Do Tick Densities Relate to Lyme Disease Infection Rates?
Curtis M. Johnson
Faculty Mentor: Dr. Diane A. Caporale-Hartleb

Grafting of Hydroponic Plants to Study the Physiological Basis of Potato Early Dying Disease
Dana M. Benson
Faculty Mentor: Dr. Shelley H. Jansky

Identification of an Unknown Streptomyces Species and Study of its Anti-Fungal Compounds
Jane-Renee Lund
Faculty Mentor: Dr. Terese M. Barta

Improved Methods for the Expression, Extraction, and Purification of GFP
Jason Brazzale, Mary Brezinski, Mike Feldcamp, Rebecca Ganzow, Bruce Knutson, Tony Lowenberg, Eric Simkins, Cassie Theusch
Faculty Mentor: Dr. Ed Gasque

Seasonal Diet Changes of Larval Yellow Perch Raised in Aquaculture Ponds
Michael Warren, Brad Wimmer, Travis Motl
Faculty Mentor: Dr. Chris Hartleb

Screening for Verticillium Wilt Resistance in Progeny of a Cross Between Resistant Clones
Phil Kauth
Faculty Mentor: Dr. Shelley H. Jansky

A Survey of Endoparasites of Swallow-Tailed Kites
Jessica Orlofske, Sarah Orlofske
Faculty Mentor: Dr. Steve Taft

Taxonomic Comparison of Odonata in Lentic and Lotic Sites
Nicole M. Harings
Faculty Mentor: Betsie Graham, M.S.

Department of Sociology

A Student Conducted Assessment of the Community Needs in Boquillas, Mexico
Sarah E. Bristol, Olivia Carbajal, Stephanie Perry
Faculty Mentor: Dorothy R. De Boer
Department of Chemistry

Trace Metal Content in Processed and Raw Corn and Peas
Kazumi Nakada
Faculty Mentor: Dr. Eugene Johnson

Synthesis of Phosphine Supported Germanium Nanoparticles
Benjamin E. Kucera, Robin S. Tanke, Susan M. Kauzlarich
Faculty Mentors: Dr. Robin Tanke and Dr. Eugene Johnson

Progress toward the Total Synthesis of Methoxylated Canthin-6-one Indole Alkaloids
Tara Miller, Steven Mennen, Brian Zick
Faculty Mentor: Dr. Kevin Czerwinski

Electrolysis and Faraday's Laws
Fay M. Jahr
Faculty Mentor: Dr. C. Marvin Lang

Department of Geography/Geology

Spectral Reflectance of Blueschist in the Anti-Atlas Mountain Range of Morocco
Kevin Bossenbroek, Mandy Fenn, Dris Lyons, Nathan Shasby
Faculty Mentors: Dr. Kevin Hefferan, Eric Larsen, Dr. Keith Rice, Dr. N. C. Heywood

Spatial Analysis of Sandhill Crane Nesting Preferences within a Briggsville, Wisconsin Study Area, 2001
Jaren Grosinskie, Audrey Cox, Sean Goodwin
Faculty Mentors: Dr. Keith Rice, Dr. N. C. Heywood

Field Testing a 2002 Revision of the Hartman Creek State Park Map
Jacob Hofman, Naomi Johnson, Katie Opitz
Faculty Mentors: Dr. Keith Rice, Dr. N. C. Heywood

Evaluation of Stevens Point Downtown Commerce
Andy Krause, Cindi Patulski, Nate Goldberg, Chris Flannery
Faculty Mentors: Dr. Benjamin Ofori-Amoah, Dr. Gary Meyer, Dr. N. C. Heywood

Detecting the Presence of Wild Lupine Utilizing Large-Scale Remote Sensing Multi-Spectrum Satellite Imagery
Jacob Hofman
Faculty Mentor: Dr. Keith Rice

Assessment of a Spring 2002 Remapping, and of Web Map Communication, for Hartman Creek State Park
Rebecca Colwell, Katherine Foelker, Melissa Kraemer, Barbara Tormohlen
Faculty Mentors: Dr. Keith Rice, Dr. N. C. Heywood

Chemical Genealogy – A Multi-Generational Study of the Roots of the Chemistry Department at the University of Wisconsin-Stevens Point
Steven D. Nieland
Faculty Mentor: Dr. C. Marvin Lang

Analysis of Germanium Nanoparticles
Amber Wise
Faculty Mentors: Dr. Robin Tanke and Dr. Eugene Johnson
Department of Physics/Astronomy

Construction of a Vibrating Sample Magnetometer to Measure Magnetic Samples
Adam Voltz
Faculty Mentor: Dr. Brad Ninaus

Optimization of an Optical Pump-Probe System for Femtosecond Laser Pulses
Paul Omernik
Faculty Mentor: Dr. Gregory Taft

Solid State Ionic Conductivity of Cu₆S₅P₊r, Cu₆S₅PCI and Cu₆S₅PI
Joshua Garbe, Nick Petersen, Dr. Bob Beeken
Faculty Mentor: Dr. Robert Beeken

Thermally-Induced Flow of Liquid-Crystal Defects
Paul Messman, Mick Veum, C.C. Huang
Faculty Mentor: Dr. Mick Veum

Department of Psychology

Athletes' and Non-Athletes' Judgments of Hazing Rituals
Patrick Bloom, Heidi Bemowski, Loren Lauffer, Kristin Gillen
Faculty Mentor: Dr. Amy Herstein Gervasio

Oral Presentations
University Center, Room 103  
Session Moderator: William G. Gartner

Department of Philosophy  
Religious Studies, Anthropology, Philosophy

9:00 – 10:00

Assessing and Recording Archaeological Sites in Central Wisconsin  
Ray P. Reser  
Faculty Mentor: William G. Gartner

Cataloging and Reporting Archaeological Data Found at Lake Emily  
Leah M. Ostrander  
Faculty Mentor: William G. Gartner

11:00 – 12:00

An Artifact Inventory of Standing Rocks State Park: Late Woodland Cultural Dynamics in Portage County, WI  
Andrew J. Levy  
Faculty Mentor: William G. Gartner

Research and Artifact Analysis of the Bigelow-Hamilton Site  
Aprille J. Shepherd  
Faculty Mentor: William G. Gartner

University Center, Heritage Room  
Session Moderator: Dr. Donald Fadner

9:00 – 10:00

Department of Philosophy  
Religious Studies, Anthropology, Philosophy

Attempt at a Lockean Proof of Free Will: A Rejection of Empiricist Determinism  
Chris Harwood  
Faculty Mentor: Dr. Dôna Warren

Interpretation of the Parable of the Unjust Steward  
Andrew Williams  
Faculty Mentor: Dr. Donald Fadner

11:00 – 12:00

University Center, Heritage Room  
Session Moderator: Dr. Mick Veum

Department of Physics

Recent Research on a Liquid Crystal Mixture  
Jason Slattery and Professor Wim de Jeu  
Faculty Mentor: Dr. Mick Veum
University Center, Room 205
Session Moderator: Dr. Terese M. Barta

Department of Biology

9:00 – 10:00

Effectiveness of Heat Treatments to Reduce Symptoms of Late Blight Disease on Potato Tubers Inoculated with Phytophthora Infestans
Susan Rudolph
Faculty Mentor: Dr. Terese M. Barta

Chromosome Doubling in Verticillium Resistant Potato Clones
Leslie Snyder
Faculty Mentor: Dr. Shelley H. Jansky

11:00 – 12:00

Determination of the Frequency of Occurrence of E.coli on Hands within a University Population
Eric G. Schmuck
Faculty Mentor: Dr. Terese M. Barta

Progression of Plankton Populations in Aquaculture Ponds
Travis Motl
Faculty Mentor: Dr. Chris Hartleb

University Center, Room 207
Session Moderator: Dorothy De Boer

Department of Sociology

9:00 – 10:00

Academic Freedom: A Social Psychological Approach Concerning Religiosity, Political Orientation, and Patriotism
Peter Barwis
Faculty Mentor: Dr. Doug Forbes

The Academic and Career Expectations of College Students
Amy Lang and Maggie Schaefer
Faculty Mentors: Dorothy De Boer and Dr. Doug Forbes

11:00 – 12:00

The Relationship Between Parents and the Effect they Have on Delinquency using Hirschi's Social Bond Theory
Jason J. Noel
Faculty Mentors: Dorothy R. De Boer and Dr. Doug Forbes

Women Working in the Correction System
Nikkohl L. Gallant
Faculty Mentors: Dorothy R. De Boer and Dr. Doug Forbes
University Center, Room 113
Session Moderator: Dr. Gary Mullins

9:00 – 10:00

Department of History

Forming of a Nation:
Shift from a Religious and Dynastic Rebellion
to a Struggle for an Independent Scotland
Christopher Reese
Faculty Mentor: Dr. Nancy LoPatin-Lummis

The KKK in Wisconsin during the 1920’s
Christopher Ewan
Faculty Mentor: Dr. Susan Brewer

11:00 – 12:00

Department of Business/Economics

Investing in Bosnia
Tarik Sahovic
Faculty Mentor: Dr. C. R. Marshall

Petco – Alive and Barking
Steve Ryskowskij, Tracy Stayton
Faculty Mentor: Barbara J. Mihm

University Center, Room 115
Session Moderator: Dr. Eric Yonke

9:00 – 10:00

Department of English

Sex, Love, and Perversion in the 1950’s and 1960’s:
An Examination of James Baldwin’s Writings
Elizabeth Fontana
Faculty Mentor: Dr. William Lawlor

Department of International Studies / Foreign Language

The Corrymeela Community:
47 Years of Waging Peace in Northern Ireland
Rhonda Miska
Faculty Mentor: Dr. Eric Yonke

11:00 – 12:00

Department of History

The League of Princes: A Sign of the Times
Jason Verber
Faculty Mentor: Dr. Eric Yonke

Erica Jong’s Vision of the Sexual Revolution
Alexa A. Priddy
Faculty Mentor: Dr. Theresa Kaminski