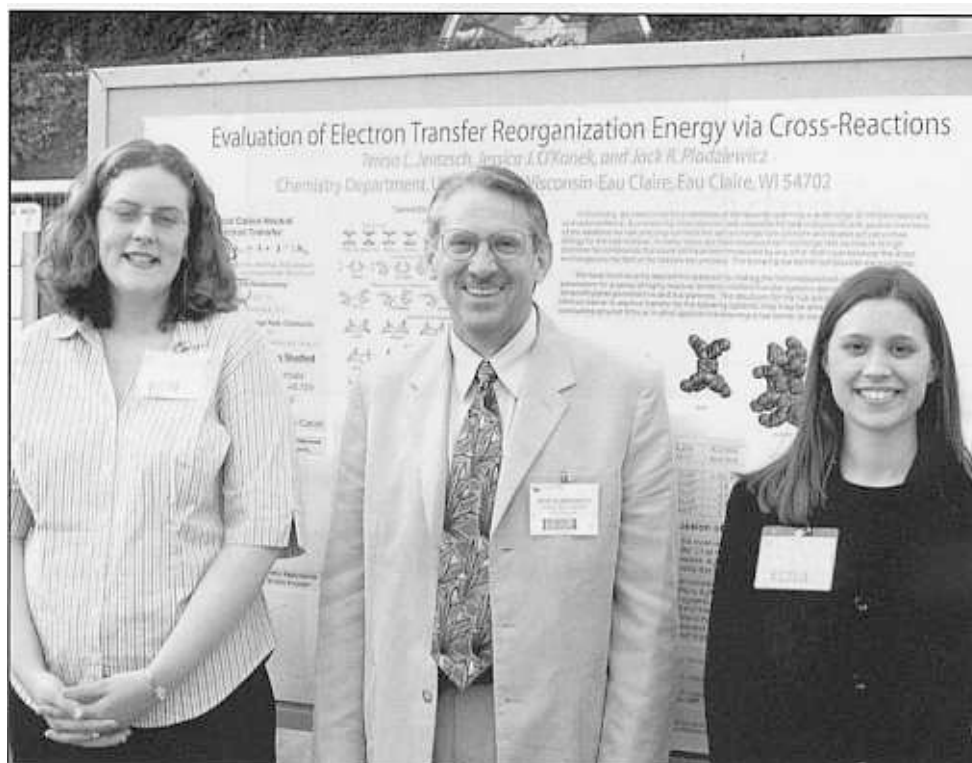


# Center of Excellence for Faculty and Undergraduate Student Research Collaboration

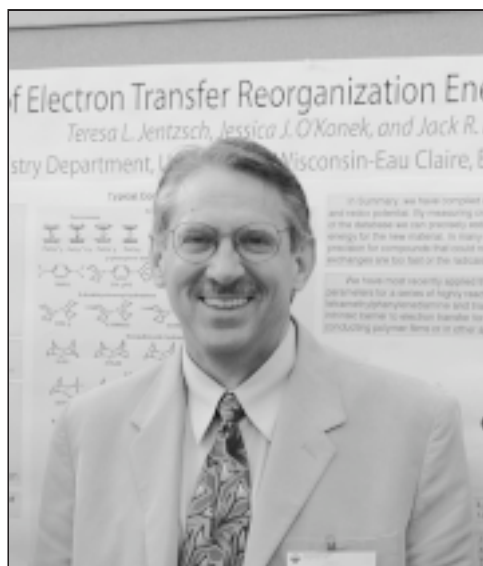


1999-2001

Biennial Report of Scholarly Contributions



University of Wisconsin-Eau Claire



*On the Cover:* Jack Pladziewicz, professor of chemistry and department chair, announces his retirement from UW-Eau Claire after thirty years of service.

*Professor Jack Pladziewicz received his undergraduate degree from UW-Eau Claire in 1967. After receiving his Ph.D. from Iowa State University, Pladziewicz returned to UW-Eau Claire to teach in 1973. During the ensuing years, he became a model scholar/teacher and contributed greatly to the success of the UW-Eau Claire Center of Excellence for Faculty and Undergraduate Student Research Collaboration. Pladziewicz has received more than \$1 million from the National Science Foundation, Research Corporation, American Chemical Society, and Hewlett Packard Company for his research. Through these grants he engaged students in research, mentoring their growth and transition to graduate school and to employment in the field of chemistry. Professor Jack Pladziewicz is the recipient of the UW-Eau Claire Excellence in Scholarship Award, the Wisconsin CASE Professor of the Year, and the UW-Eau Claire Distinguished Alumni Award.*



Center of Excellence  
for Faculty and Undergraduate  
Student Research Collaboration

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1999-2001  
Biennial Report of Scholarly Contributions

*Editors:*

Christopher T. Lind  
Assistant Vice Chancellor  
Research and Sponsored Programs

Jessica Shogren-Carlson  
Graduate Student Assistant

For additional copies, please call (715) 836-3405



# University of Wisconsin-Eau Claire

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105 Garfield Avenue • P.O. Box 4004 • Eau Claire, WI 54702-4004

The University of Wisconsin-Eau Claire is the Center of Excellence for Faculty and Undergraduate Student Research Collaboration within the 13 institution University of Wisconsin System. The Center has existed at UW-Eau Claire since its creation by the University of Wisconsin System Board of Regents in 1988. With internal funding of over \$500,000 annually, the Center encourages and supports collaborative research, scholarly, and creative activities among UW-Eau Claire faculty and undergraduates in all disciplines.

The *1999-2001 Biennial Report Scholarly Contributions* documents the sustained effort of this Center to encourage and support collaborative research, scholarly, and creative activities of our faculty and undergraduate students. The size and scope of our programs make UW-Eau Claire a leader in the national trend to incorporate research into the undergraduate experience.

Key to the Center's success is the willingness and interest of our faculty and academic staff to pursue out-of-class scholarly projects with student collaborators. At UW-Eau Claire we reward this activity with funding through Center of Excellence programs. The largest funding commitment comes from our undergraduate students through their differential tuition. But significant resources also are contributed from UW-Eau Claire funds, the University of Wisconsin-Eau Claire Foundation Inc., the UW System Undergraduate Initiative, and extramural funding sources.

In this current biennial report of scholarly contributions, we include peer reviewed, published works as well as regional and national presentations co-authored by undergraduate students with faculty and academic staff mentors. Citations include papers and presentations published during the period of July 1, 1999 through June 30, 2001.

In addition to these contributions, the Center also sponsors an annual on-campus *UWEC Student Research Day*. Last year 253 students and 144 faculty mentors made presentations at this event. These local presentations are not included in this volume but are published in the Eighth and Ninth *Proceedings of the Annual UWEC Student Research Day*. Interested individuals may request these proceedings by contacting the Office of Research and Sponsored Programs, 161 Human Sciences and Services Building, University of Wisconsin-Eau Claire, Eau Claire, WI 54702-4004 or by phone or e-mail at (715) 836-3405, [orsp@uwec.edu](mailto:orsp@uwec.edu).

Christopher T. Lind  
Director  
Center of Excellence for Faculty and Undergraduate Student Research Collaboration

# Center of Excellence for Faculty and Undergraduate Student Research Collaboration

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The Center of Excellence for Faculty and Undergraduate Student Research Collaboration was established at UW-Eau Claire in 1988 by action of the Board of Regents of the University of Wisconsin System. This Center was built on a quarter century tradition of engaging students in collaborative research with faculty scholars and incorporating research into the undergraduate experience.

The goals of the Center include (1) enhancing the quality of undergraduate education by providing students with an opportunity to participate with faculty in research projects, (2) keeping the undergraduate curriculum vital and updated by incorporating the results of current research into the curriculum, (3) facilitating collaborative research among faculty and students representing diverse undergraduate programs in order to identify and address problems requiring multidisciplinary solutions, and (4) encouraging undergraduate students by way of their successful research to consider advanced studies in their disciplines.

The Center has provided students with an opportunity for "hands on" experience in research, presentation of results at the annual UWEC Student Research Day, and encouragement to present findings at meetings of professional organizations.

Faculty/undergraduate student research collaboration will continue to be a hallmark of the undergraduate degree at UW-Eau Claire and the Center of Excellence for Faculty and Undergraduate Student Research Collaboration will continue to support this faculty effort.

The Center operates four programs that provide grant support opportunities for faculty and students engaged in collaborative research. These programs include *Faculty/Student Research Collaboration*, *Summer Research Experiences for Undergraduates*, *Collaborative Equipment for Laboratory Improvement*, and *Student/Faculty Travel for the Presentation of Research Results*. In addition an Annual UWEC Student Research Day is held during the Spring Semester to disseminate the results of faculty/student research collaborations.

The Center is funded largely with student differential tuition funds allocated for collaborative research. These student funds are augmented with support from the UW-Eau Claire Foundation, Inc., the UW-Eau Claire Office of Research and Sponsored Programs, the UW System Undergraduate Initiative, and other extramural funding sources.

**Excellence: Our Measure, our Motto, our Goal!**

# Publications and Presentations Authored and Co-Authored by University of Wisconsin-Eau Claire Undergraduate Students

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## ACCOUNTING AND FINANCE

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**Brown, Kelli**, undergraduate student, with **D'Arcy Becker**, faculty, same department. "Self Efficacy and Student Accounting Grades." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 1.

**Gilles, Stephanie Marie**, undergraduate student, with **Mehdi Sheikholeslami**, faculty, same department. "Do Foreign Bidders Outbid U.S. Bidders? An Empirical Analysis." 1999 Meeting of the Academy of Business Disciplines, Fort Myers, FL, 10-14 Nov. 1999.

**Gronseth, Angela**, undergraduate student, with **Michael Wilson** and **Richard Helleloid**, faculty, same department. "Financial Statements: What Does Your Banker Really Want and Expect." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 1.

**Helleloid, Richard**, faculty, with **Angela Gronseth**, undergraduate student, and **Michael Wilson**, faculty, same department. "Financial Statements: What Do Today's Commercial Lenders Want and Expect?" *The Journal of Lending and Credit Risk Management* 82.4 (1999-2000): 66-69.

**Horan, Karen**, faculty, with **Jennifer Allen**, **Jill Bailey**, **Angela Elsen**, **Kim Mortensen**, and **Meagan Wiederhoeft**, undergraduate students, same department. "Art of Reflection: Creative Journal." WAEA Spring 2001 Conference, River Falls, WI, 27-28 Apr. 2001.

## ADULT HEALTH NURSING

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**Quinn, Shelly**, undergraduate student, with **Debra Jansen**, faculty, same department. "Influence of Perceived Barriers on Participation in Restorative Activities by Community-Dwelling Elders." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Underwood, Darci**, undergraduate student, with **Rosemary Jadack**, faculty, same department. "Personal Social Networks and Patterns of Disclosure Among HIV+ Persons with a History of Injection Drug Use." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity-Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Werner, Joan**, faculty, with **Cecilia Wendler**, faculty, Nursing Systems, **Celeste Jackson**, graduate student, same department, and **Jennifer Nie**, **Julie McCormick**, and **Susan Paulus-Smith**, undergraduate students, same department. "Human Responses Influenced by Caring." International Conference for Human Caring, Stirling Scotland, 6 June 2001.

## ALLIED HEALTH PROFESSIONS

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**Albrecht, Lee**, undergraduate student, with **Robert Nelson**, faculty, same department. "Cost Efficient Water Pump: Design, Development, and Implementation in Costa Rica." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 325.

**Miller, Jeffrey**, undergraduate student, with **Lee Anna Rasar**, faculty, same department. "Chronological History of Music Therapy/Setting-Specific Literature: Web Site." American Music Therapy Association Conference, St. Louis, MO, 16-19 Nov. 2000.

—, with **Lee Anna Rasar**, faculty, same department, and **Patricia Quinn**, faculty, Academic and Career Services. "Establishing a Database for Music Therapy." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001, Rocky Mountain McNair Scholars Research Symposium, Fort Collins, CO, 6-7 Apr. 2001.

**Vincent, Tonya**, undergraduate student, with **Lee Anna Rasar**, faculty, same department. "Use of Soundbeam to Elicit Movement and Target." 4th Annual Great Lakes Regional Music Therapy Conference. Kalamazoo, MI, 30 Mar.-2 Apr. 2000.

## ART

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**Black, Sara**, undergraduate student, with **Michael Christopherson**, same department. "The Figure in Sculpture and the Mythology of Genius." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Garthus, Ben**, undergraduate student, with **Stephen Katrosits**, faculty, same department. "Art as Critique in a Commercial Culture." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity-Gallery Exhibit. Eau Claire, WI. 24 Apr. 2001.

**Halfen, Holly, David Harper, Matthew Palm, and Keri Witek**, undergraduate students, with **Karen Horan**, faculty, same department. "Historic Preservation of Wisconsin Barns." Wisconsin Association of Educators of Art: 50th Anniversary Conference at Monona Terrace. Madison, WI, 25-27 Apr. 2000.

**Jensen, David**, undergraduate student, with **Scott Robertson**, faculty, same department. "Painting and Postmodernism." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity-Gallery Exhibit. Eau Claire, WI. 24 Apr. 2001.

**Kristine MacCallum**, undergraduate student, with **Michael Christopherson**, faculty, same department. "Approaches to Mold-Making and Casting." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Gallery Exhibit. Eau Claire, WI. 24 Apr. 2001.

**La Venture, Mary**, undergraduate student, with **Deirdre Monk**, faculty, same department. "Transitions." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 60, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity-Gallery Exhibit. Eau Claire, WI. 24 Apr. 2001.

## BIOLOGY

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**Allen, Matthew**, and **Ryan Franckowiak**, undergraduate students, with **David Lonzarich**, faculty, same department. "Defining the Home Range Boundaries of Juvenile Coho Salmon Populations in a Lake Superior Tributary." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 350, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Boyarski, Valerie**, undergraduate student, with **Michael Weil**, faculty, same department. "Population Estimates and Habitat Preferences of *Phrynosoma mcallii* in the Coachella Valley Preserve, CA." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 346, Rocky Mountain McNair Scholars Research Symposium, Fort Collin, CO, 5-8 Apr. 2001.

—, with **Paula Kleintjes** and **Michael Weil**, faculty, same department. "Population Estimates and Habitat Selection of Flat-Tail Horned Lizards, *Phrynosoma mcallii*, in the Coachella Valley Preserve, CA." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Broege, Aaron**, and **Hilary Preis**, undergraduate students, with **Jon Scales**, faculty, same department. "Isolization and Characterization of TCK Regulatory Sequences." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001, Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 395.

**Busby, Robert**, and **Aaron Broege**, undergraduate students, with **Jon Scales**, faculty, same department. "Isolization and Characterization of Cisregulatory Elements of TCK." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 298.

**Cherwin, Karie**, undergraduate student, with **Paula Kleintjes**, faculty, same department, and **Jane Anklam**, USDA Natural Resource Conservation Service. "Development of a GIS for Conservation Reserve Program Native Grassland Restoration." Proceedings from the Annual Meeting of the Society of Ecological Restoration, San Francisco, CA. Sept. 1999. Madison, WI: Society of Ecological Restoration Abstracts, 1999. 131.

**Dahlke, Christina**, undergraduate student, with **Jon Scales**, faculty, same department. "Determination of Diploidy in *Xenopus Tropicalis* by Southern Blot Analysis of Specific Loci." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 396, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Hall, Kristofer**, and **Gina Liebsch**, undergraduate students, with **Daniel Conklin**, faculty, same department. "Effects of Methylamine on Isolated Human Blood Vessels." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Healy, Brian**, undergraduate student, with **David Lonzarich**, faculty, same department. "Microhabitat Use and Behavior of Overwintering Juvenile Coho Salmon in a Lake Superior Tributary." *Transactions of the American Fisheries Society* 129 (2000): 866-72.

**Heitmann, David**, undergraduate student, with **Christy Carello**, faculty, same department. "The Effect of Surface Grades on Joint Kinematics of Quail During Running and How Body Size Effects the Metabolic Efficiency." Society of Integrative and Comparative Biology, Chicago, IL, 3-7 Jan. 2001.

—, and **Tara Scheunemann**, undergraduate students, with **Christy Carello**, faculty, same department. "The Energetics and Biomechanics of Gradient Running in Button Quail." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 360.

**Irwin, Matthew**, undergraduate student, with **Daniel Janik**, faculty, same department. "FOS Activity in the Hamster Brain During Exercise-Induced Circadian Clock Resetting." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Kleintjes, Paula**, faculty, with **Erica Lemoine**, **John Schroeder**, and **Michelle Solensky**, undergraduate students, same department. "Comparison of Methods for Assessing Balsam Twig Aphids *Mindarus abietinus* Koch (Aphididae:Homoptera) and Their Potential Damage in Christmas Tree Plantations." *Journal of Economic Entomology* 92.3 (1999): 638-43.

**Pawluk, Lindsay**, undergraduate student, with **Paula Kleintjes**, same department. "Response of Butterflies to Woodland Thinning and Ungulate Browsing; a Progress Report." 5<sup>th</sup> Annual Jemez Mountain Research Symposium, Santa Fe, NM, 3 Nov. 2000. Abstracts. 13.



—, undergraduate student, with **Paula Kleintjes**, faculty, same department. “Response of Butterflies to Elk Vegetation Management in Bandelier National Monument, New Mexico.” Joint Annual Meeting of the Entomological Society of Canada and Entomological Society of America, Montreal, Canada, Dec. 3-7 2000.

**Raebel, Chris**, undergraduate student, with **Paula Kleintjes**, same department. “Habitat Restoration and Management for the Karner Blue Butterfly.” Proceedings from the Annual Meeting of the Society of Ecological Restoration, San Francisco, CA, Sept. 1999. Madison, WI: Society of Ecological Restoration Abstracts, 1999. 86.

—, undergraduate student, with **Paula Kleintjes**, same department. “Restoration of Dry Sand Prairie for the Karner Blue Butterfly.” Abstracts from the 9th Annual Prairie Invertebrate Conference. Eau Claire: Prairie Invertebrate Conference Series, Nov. 1999. Beaver Creek Reserve. Fall Creek, WI.

**Roloff, Alan**, and **Jaime Malcore**, undergraduate students, with **Jon Scales**, faculty, same department. “Cadherin’s Intracellular Domain Mediates XEPHA4 Signalling to Regulate Cell Adhesion During Development.” Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 397.

—, and **Christina Dahlke**, undergraduate students, with **Jon Scales**, faculty, same department. “Interaction Between XephA4 and Cadherin Regulates Cell Adhesion.” Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001, Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 397.

**Scheunemann, Tara**, undergraduate student, with **Christy Carello**, faculty, same department. “The Effect of Surface Grades on the Stride Parameters of Button Quail.” Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

—, with **Christy Carello**, faculty, same department. “Second Top 50 Chemicals.” Society of Integrative and Comparative Biology, Chicago, IL, 3-7 Jan. 2001.

**Schneeberger, Benjamin**, undergraduate student, with **Daniel Janik**, faculty, same department. “Predictability of Exercised Induced Circadian Clock Resetting in Hamsters.” Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 88.

**Sporrong, Jill**, undergraduate student, with **Paula Kleintjes**, faculty, same department. “Restoration of Karner Blue Butterfly Habitat in the Eau Claire River Basin.” Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Wallace, Christopher**, undergraduate student, with **Terry Balding**, faculty, same department. “Effects of Dead Crow Decoy (*Corvus brachyrhynchos*) on Aggressiveness and Duration of Crow Mobbing on a Great Horned Owl Decoy (*Bubo virginianus*).” 28th Annual Saint Mary’s University Minnesota Undergraduate Research Symposium in Biology and the District NC-3 Beta Beta Beta Convention. Minneapolis, MN—Platform Presentation. 31 Mar. 2001.

**Wallman, Heidi**, undergraduate student, with **Joseph Rohrer**, faculty, same department. “Temperature and Hypoxia Tolerance of Selected Fishes from a Hyperthermal Tidepool in the Dry Tortugas.” Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001, Southern Division of American Fisheries Society Conference, Jacksonville, FL, 20-26 Feb. 2001.

## CHEMISTRY

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**Bauer, Emily, Katie Kindt, and Hilary Preis**, undergraduate students, with **Scott Hartsel**, faculty, same department. “Differences in Activity and Serum Distribution of Heat Treated Fungizone.” Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 317.

—, with **Scott Hartsel**, faculty, same department. “The Effect of Serum Albumin on Amphotericin B Formulations.” Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001, National Conference of the Geologic Society of America, Reno, NV, 11-20 Nov. 2000.

**Cea Plaza, Monica**, undergraduate student, with **Jason Halfen**, faculty, same department. “New Chiral Copper Complexes for Catalytic Nitrene Transfer Reactions.” 221<sup>st</sup> National Meeting of the American Chemical Society, San Diego, CA, 1-5 Apr. 2001.

**Fox, Derek**, undergraduate student, with **Jason Halfen**, faculty, same department. “Structural Characterization, Magnetic Properties, and Catalytic Reactivity of Divalent Nickel and Cobalt Complexes of a Tetradentate Mesocyclic Ligand.” 221<sup>st</sup> National Meeting of the American Chemical Society, San Diego, CA, 1-5 Apr. 2001.

**Gullickson, Glen**, undergraduate student, with **David Lewis**, faculty, same department. “Green Synthesis of 3,3-Diphenylpropanoic Acid Derivatives.” Great Lakes Regional Meeting, American Chemical Society, Fargo, ND—Poster Presentation. 4-6 June 2000.

—, with **David Lewis**, faculty, same department. “Reactions of Diarylmethanols With Active Methylene Compounds.” Great Lakes Regional Meeting, American Chemical Society, Fargo, ND— Oral and Poster Presentation. 4-6 June 2000.

—, with **David Lewis**, faculty, same department. “Ritter Reactions of Alcohol and Esters by Solvolysis in Formic Acid.” 221<sup>st</sup> National Meeting of the American Chemical Society, San Diego, CA, 1-5 Apr. 2001.

**Halberg, Andrea**, undergraduate student, with **Phillip Chenier**, faculty, same department. “Second Top 50 Chemicals.” Spring 2000 American Chemical Society National Meeting. San Francisco, CA, 26-30 Mar. 2000.

**Halfen, DeWayne**, undergraduate student, with **Jack Pladziewicz**, faculty, same department. “Electron Transfer Reorganization Energy for [CoW12O40]-5/-6.” Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 125, 219th National Meeting of the American Chemical Society, San Francisco, CA—Oral Presentation. Mar. 2000.

**Halfen, Jason**, faculty, with **Monica Cea Plaza**, **Collin Hagen**, and **Joseph Uhan**, undergraduate students, same department. “Copper Catalyzed Aziridination of Olefins by PhINTs: Synthetic and Mechanistic Studies.” 219th National Meeting of the American Chemical Society, San Francisco, CA—Poster Presentation. Mar. 2000.

—, with **Jason Hallman**, **John Schultz**, and **Joseph Emerson**, undergraduate students, same department. “Remarkably Efficient Olefin Aziridination by a New Copper(II) Complex.” *Organometallics* 18 (1999): 5435-37.

**Jentsch, Teresa**, and **Jessica O’Konek**, undergraduate students, with **Jack Pladziewicz**, faculty, same department. “Evaluation of Electron Transfer Reorganization Energy via Cross-Reactions.” 221<sup>st</sup> National Meeting of the American Chemical Society, San Diego, CA, 1-5 Apr. 2001. Abstracts of Papers. 121.

**Lange, Kristopher**, and **Keetra Plegge**, undergraduate students, with **James Phillips**, faculty, same department. “Fundamental and Overtones Intensities for OH Stretching Bands.” 55th Ohio State University International Symposium on Molecular Spectroscopy. Columbus, OH, 12-16 June 2000.

—, **Nathan Wells**, and **Keetra Plegge**, undergraduate students, same department, with **James Phillips**, faculty, same department. “Integrated Intensities of O-H Stretching Bands: Fundamentals and Overtones in Vapor Phase Alcohols and Acids.” *Journal of Physical Chemistry A* 105 (2001): 3481-86. <<http://pubs.acs.org>>.

**Maley, Pepe**, and **Rachel Anderson**, undergraduate students, with **David Lewis**, faculty, same department. “C2-Symmetric, Vanillin-Based Bis Cinnamic Acid Derivatives.” Great Lakes Regional Meeting, Fargo, ND—Poster Presentation. 4-6 June 2000.

—, with **David Lewis**, faculty, same department. “Reductive Dimerization of C2-Symmetric Vanillin-Based Dimers.” Midwest Regional Meeting, American Chemical Society, Quincy, IL—Poster Presentation. 27-29 Oct. 1999.

**Pladziewicz, Jack**, faculty, with **DeWayne Halfen** and **Kathryn Splan**, undergraduate students, same department, **Asgeir Kondradsson**, **Mark Nagy**, **Stephen Nelsen**, and **Dwight Trieber**, UW-Madison. “Structural Effects on Intermolecular Electron Transfer Reactivity.” *Journal of the American Chemical Society* 122 (2000): 5940-46.

**Preis, Hilary**, and **Emily Bauer**, undergraduate students, with **Jason Halfen** and **Scott Hartsel**, faculty, same department. “Evidence for a Stable and Beneficial Fungizone Preparation.” Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 317.

**Rassbach, Amy**, undergraduate student, with **Melville Sahyun**, faculty, same department. “Use of Auditory Graphs in Teaching of Chemistry.” Update on Chemistry for Wisconsin Secondary School Teachers, Eau Claire, WI— Poster Presentation. 28 Apr. 2000.

**Sahyun, Melville**, faculty, with **Amy Rassbach**, same department. “Hyper-Rayleigh Scattering Studies of Model Imaging Materials.” Faculty/Student Research Collaborative Project, *Journal of Imaging Science and Technology* 45 (2001): 254-58. <[www.imaging.org](http://www.imaging.org)>.

—, with **Amanda Bruce** and **Jason Klein**, undergraduate students, same department. “Unique Solvent Properties of Straight-chain Carboxylic Acids for Electron-transfer Photoreactions.” *Journal of Photochemistry and Photobiology; A: Chemistry* 131 (2000): 27-31.

**Tysver, Thomas**, undergraduate student, and **David Lewis**, faculty, same department. “Toward the Hexacyclic Nor-Diterpenoid Alkaloids: A/E/F-Ring Model Studies.” Midwest Regional Meeting, American Chemical Society, Quincy, IL — Poster Presentation. 27-29 Oct. 1999.

**VanderPoel, Jennifer**, undergraduate student, with **Cheryl Muller**, faculty, same department. “Study of the Intermediates of the Swern Oxidation by Means of a Chiral Sulfoxide.” Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 144.

**Weiss, Michael**, and **Rebecca Siemer**, undergraduate students, with **Marcia Miller-Rodeberg**, faculty, same department. "Redox Potential Studies of FE(II) Catechol Dioxygenases." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Wells, Nathan**, undergraduate student, with **James Phillips**, faculty, same department. "Structure and Bonding in the Nitrile Complexes of Boron Trifluoride: An Infrared and X-ray Crystallographic Study." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 170.

—, undergraduate student, with **James Phillips**, faculty, same department. "Vibrational Spectroscopy of Partially Bonded Complexes: A Matrix Isolation Infrared Study of CH<sub>3</sub>CN-BF<sub>3</sub>." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

**Yoshioka, Kazuki**, undergraduate student, with **David Lewis**, faculty, same department. "Di-(1-Naphthyl)methanol and its Reactions." Great Lakes Regional Meeting, American Chemical Society, Fargo, ND—Poster Presentation. 4-6 June 2000.

## COMMUNICATION DISORDERS

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**Aase, Dawn**, and **Jennifer Smith**, undergraduate students, with **Linda Carpenter**, faculty, same department. "A Contextual Test of Speech Sound Production." American Speech Language Hearing Association Annual Convention. San Francisco, CA, 18-21 Nov. 1999.

**Gjersest, Heather**, and **Jon Schmitz**, undergraduate students, with **Larry Solberg**, faculty, same department. "Laryngeal Configuration & Constriction During Breathily Phonation & Whisper." American Speech Language Hearing Association Annual Convention. San Francisco, CA, 18-21 Nov. 1999.

**Serflek, Erika**, undergraduate student, with **Linda Carpenter**, faculty, same department. "Learning English as a Nonnative Language: Learners' Perspective." American Speech-Language and Hearing Association Convention, Washington, DC, 15-19 Nov. 2000.

## COMMUNICATION AND JOURNALISM

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**Hata, Keiko**, undergraduate student, with **Susan Hafen**, faculty, same department. "A Dramatic View of Social Message Songs: Ben Shaw's 'Up Through the Concrete' as an Exemplar." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001, 10<sup>th</sup> Annual University of St. Thomas Communication Research Conference. Minneapolis, MN, 27 Apr. 2001.

**Hiscox, Erika**, undergraduate student, with **Susan Hafen**, faculty, same department. "United States Versus Amistad: Using the Elaboration Likelihood Model to Persuade for Abolition." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001, 10<sup>th</sup> Annual University of St. Thomas Communication Research Conference. Minneapolis, MN, 27 Apr. 2001.

**Johannes, Larissa**, undergraduate student, with **Susan Hafen**, faculty, same department. "A Comparison of Romantic V. Friendship Dialectics in 'When Harry Met Sally.'" Ninth Annual University of St. Thomas Undergraduate Communication Research Conference. Minneapolis, MN, 28, Apr. 2000.

**Kjesbo, Kenlyn**, undergraduate student, with **Susan Hafen**, faculty, same department. "Deconstructing Girl Scout Rhetoric: Feminist Roots and Skeletons." Eastern Communication Association Convention, Pittsburgh, PA, 28, Apr. 2000.

—, with **Susan Hafen**, faculty, same department. "Girl Scout Conformity: Critical Theory and Organizational Consent." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 383.

**Kuntz, Elizabeth, Lori Kurtzman and Jessica Meier**, undergraduate students, with **Joseph Giordano and Judy Sims**, faculty, same department. "A Content-Analysis of Local Television News Coverage of Controversial Issues and Diverse Populations in Eau Claire, Wisconsin." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 248.

**Licht, Ben**, undergraduate student, with **Susan Hafen**, faculty, same department. "'Will & Grace': An Examination of Gay Men and Speech Codes Theory." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001, 10<sup>th</sup> Annual University of St. Thomas Communication Research Conference. Minneapolis, MN, 27 Apr. 2001.

**Ness, Cheri**, undergraduate student, with **Susan Hafen**, faculty, same department. "Exploring Burke's Dramatistic Approach." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 391-92.

**Pierce, Christina**, undergraduate student, with **Susan Hafen**, faculty, same department. "Peer Evaluations: When Students Sign Their Names." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000.

**Rantala, Marsha**, undergraduate student, with **Susan Hafen**, faculty, same department. "Cognitive Dissonance and Organizational Commitment Exemplified in 'All My Sons.'" Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 385.

**Samdahl, Andrea**, undergraduate student, with **Susan Hafen**, faculty, same department. "Grouphink: A Future Warning in 1984 and *Brave New World*." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 392.

**Sargent, Andrew**, undergraduate student, with **Susan Hafen**, faculty, same department. "The Effects of Grouphink on AIDS Victims." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 385.

**Thomas, Rachel**, undergraduate student, with **Susan Hafen**, faculty, same department. "The Semiotics of High School Cliques." Ninth Annual University of St. Thomas Undergraduate Communication Research Conference. Minneapolis, MN, 28 Apr. 2000.

**Wilkie, Nicholas**, undergraduate student, with **Susan Hafen**, faculty, same department. "Symbolic Interactionism and Teenage Identity: 'She's All That' as an Exemplar." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001, 10<sup>th</sup> Annual University of St. Thomas Communication Research Conference. Minneapolis, MN, 27 Apr. 2001.

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## COMPUTER SCIENCE

**Betzel, Michael**, undergraduate student, with **Daniel Stevenson**, faculty, same department. "Automated Separation of Layered Images." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 155, Proceedings of the 33rd Annual Midwest Instruction and Computing Symposium, St Paul, MN, 14 Apr. 2000.

**Dorn, Matthew**, undergraduate student, with **Daniel Stevenson**, faculty, same department. "Comparison of a Perceptual and Computational Model for Generating Motion from Shadows." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 156, Proceedings of the 33rd Annual Midwest Instruction and Computing Symposium, St Paul, MN, 14 Apr. 2000.

**Floren, Kyle**, undergraduate student, with **Jack Tan**, faculty, same department. "Distributed Query Optimization Over High Speed Networks." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001, Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 28.

**Heuschele, Jared**, undergraduate student, with **Andrew Phillips**, faculty, same department. "A Framework for Distributed Computation Over a Heterogeneous Beowulf Cluster." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 159, Proceedings of the 33rd Annual Midwest Instruction and Computing Symposium, St Paul, MN, 14 Apr. 2000.

**Saban, Marcio**, undergraduate student, with **Jack Tan**, faculty, same department. "Hybrid Mobile IP Configuration." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 162, Proceedings of the 33rd Annual Midwest Instruction and Computing Symposium, St Paul, MN, 14 Apr. 2000.

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## COUNSELING SERVICES

**Hoogenakker, Marisa**, and **Christy Tomczak**, undergraduate students, with **Judy Blackstone**, faculty, same department, and **Blaine Peden**, faculty, Psychology. "Counseling Clientele Characteristics." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 377.

**Miller, Pamela**, and **Stephanie Miller**, undergraduate students, with **Katherine Schneider**, faculty, same department, and **Marie Crothers**, faculty, Psychology. "A Survey of a Mentoring Program for Psychologists with Disabilities." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 423, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Sorenson, Matthew**, **Jennifer Hlava**, **Lana Kastern**, and **Tony Rudawski**, undergraduate students, with **P.J. Kennedy**, faculty, same department, and **Allen Keniston**, faculty, Psychology. "Seasonal Affective Disorder: Incidence Rate and Academic Success Correlates." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 375.

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## ECONOMICS

**Hentges, Justin**, undergraduate student, with **Kristen Monaco**, faculty, same department. "Measuring Fatigue Among Over-the-Road Drivers." Midwest Economics Association Annual Meeting. Chicago, IL, 31 Mar.-2 Apr. 2000.

**Johnson, Jessica**, undergraduate student, with **Kristen Monaco**, faculty, same department. "Health Plan Selection." Midwest Economics Association, Cleveland, OH, 29-31 Mar. 2001.



**Lor, Tua**, and **Elina Camane**, undergraduate students, with **Jan Hansen** and **Wayne Carroll**, faculty, same department. "New Directions in Regional Economic Research." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 213.

**Monaco, Kristen**, faculty, with **Emily Williams**, undergraduate student, same department. "Assessing the Determinants of Safety in the Trucking Industry." *Journal of Transportation and Statistics* 3.1 (2000): 69-80.

**Oliveira, Cristiana**, and **Branda Rochwerger**, undergraduate students, with **Rose-Marie Avin**, faculty, same department. "Modernization and Women in Brazil: Their Changing Roles in the Economy, in the Family, and in Society." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 217.

**Willmert, Joshua**, undergraduate student, with **Kristen Monaco**, faculty, same department. "How Much Do Truck Drivers Work? An Analysis Across Data Sets." Midwest Economics Association Annual Meeting. Chicago, IL, 31 Mar.-2 Apr. 2000.

**Zhang, Jinhong**, undergraduate student, with **Maria DaCosta**, **Kristen Monaco**, and **Wayne Carroll**, faculty, same department. "Market-Oriented Reform and Economic Growth in China." Proceedings of the International Conference on Economics at the Turn of the Century, National Chung Cheng University, Taiwan, 20-21 Dec. 1999. Chiayi, Taiwan: National Chung Cheng University, 1999. 1-18.

## ENGLISH

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**Barden, Elizabeth, Stephanie Hora**, and **Laura Bauers**, undergraduate students, with **Gloria Hochstein**, faculty, same department. "E-Books Panel." Sigma Tau Delta National Convention, Corpus Christi, TX, 14-18 Mar. 2001.

—, undergraduate student, with **Gloria Hochstein**, faculty, same department. "Virtue and Vampirism: The Entanglement of Evil in good in Bram Stoker's *Dracula*." Sigma Tau Delta National Convention, Corpus Christi, TX, 14-18 Mar. 2001.

**Busch, Tracey**, undergraduate student, with **Asha Sen**, faculty, same department. "Representations of Cultural Conflict, Patriarchy, and Colonization as Viewed Through the Female Body in Nervous Conditions." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 255.

**Ledo-Anderl, Debbie**, undergraduate student with **Mary Ellen Alea**, faculty, same department. "Two Montana Families." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 5.

## FAMILY HEALTH NURSING

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**McDaniel, Jessica**, undergraduate student, with **Susan Moch**, faculty, same department. "Promoting Use of Research in Nursing Practice by New Graduates." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

**Moch, Susan**, faculty, with **May Yang**, undergraduate student, same department. "A Door Swinging Between Two Worlds." *Nursing and Health Care Perspectives* 22.2 (2001): 106.

**Scholze, Polly Ann**, undergraduate student, with **Elaine Wendt**, faculty, same department. "ADHD and Stimulant Medication." 74<sup>th</sup> Annual ASHA School Health Conference, New Orleans, LA, 25-29 Oct. 2000.

**Schultz, Allison**, undergraduate student, with **Susan Moch**, faculty, same department. "New Knowledge into Practice Groups: A Comparison Between Groups." 15<sup>th</sup> Annual Nursing Research Symposium, Chicago, IL, 17 Nov. 2000.

**Yang, May**, and **Allison Schultz**, undergraduate students, with **Susan Moch**, faculty, same department. "Evaluating Hmong Client Perceptions of Western Health Care." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001, 15<sup>th</sup> Annual Nursing Research Symposium, Chicago, IL, 17 Nov. 2000.

## FOREIGN LANGUAGES

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**Zighelboim, Stephanie**, undergraduate student, with **Santos-Phillips, Eva**, faculty, same department. "La Presencia e Importancia de los Personajes Semeninos Nenla Novela Histórica Venezolana." North Central Council of Latin Americanists, St. Olaf College, MN—Oral Presentation 8-9 Oct. 1999.

## FOUNDATIONS OF EDUCATION

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**Franko, Andy, Jeff Shurtleff**, and **Ryan Stilp**, undergraduate students, with **Cynthia Gray-Mash, Cynthia**, faculty, same department. "Exploring Termespheres Using Video Documentary Processes: Phase II." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 325.

**Laudhead, Mary**, and **Khou Thao**, undergraduate students, with **Rhoades, Katherine**, faculty, same department. "In, Out, and On the Edge: Early Reactions to Wisconsin's Welfare Reform." Women's Policy Research Conference, George Washington University, Washington, DC. June 1999. Ed. Heidi Hartmann and Jill Braunstein. Washington, DC: Institute for Women's Policy Research, 1999. 185-87.



**Aurit, Mark, Amy Landis, and Timothy Morrell**, undergraduate students, with **Garry Running**, faculty, same department. "Mid-Holocene Paleoenvironment at the Flint Stone Hill Site, Oak Lake Sand Hills, Southwestern Manitoba: The Fossil Freshwater Ostracode and Gastropod Record." 96th Annual Meeting of the Association of American Geographers, Pittsburgh, PA—Paper Presentation. April 4-8 2000, Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 209.

—, **Amy Landis**, and **Timothy Morrell**, undergraduate students, with **Garry Running**, faculty, same department. "New Techniques to Improve Archaeological Site Mapping: A Case-Study from Southwestern Manitoba." 96th Annual Meeting of the Association of American Geographers, Pittsburgh, PA—Paper Presentation. 4-8 Apr. 2000. Abstract on CD-ROM. 2000.

—, with **Garry Running**, faculty, same department. "Using GPS, GIS, and Computer Cartography to Improve Archaeological Site Mapping: A Case-Study From Southwestern Manitoba." Association of American Geographers, 96th Annual Meeting, Pittsburgh, PA—Poster Presentation. 4-8 Apr. 1999, Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 204.

**Bush, Alison, Sarah Mindel, and Lisa Schretenthaler**, undergraduate students, with **Sean Hartnett**, faculty, same department. "DGPS Survey of White Pines in Putnam Park, Eau Claire, WI." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Cabak, Douglas, Rudolph Kluz, Sarah Mindel, and Cody Thiede**, undergraduate students, with **Sean Hartnett** and **Ingolf Vogeler**, faculty, same department. "The Correlation of Political Signs and Votes in the November 2000 Election." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Jacobson, Peter**, undergraduate student, with **Garry Running**, faculty, same department. "Chippewa Valley Agricultural Study: 1850 to 1997." AAG Conference, Cleveland, OH, 29-31 Mar. 2001.

**Jol, Harry**, faculty, with **Brian Thayer**, undergraduate student, same department, **George Kaminsky** and **Peter Ruggiero**, Washington Department of Ecology, **Curt Peterson**, Portland State University, **Sandy Vanderburgh**, University College of the Fraser Valley, and **Jim Phipps**, Grays Harbor College. "Coastal Ground Penetrating Radar Profiles: Are We Seeing Evidence of El Nino and Other Short Duration Events?" Canadian Quaternary Association and Canadian Geomorphology Research Group Joint Conference, Calgary, AB, 23-27 Aug. 1999. Program and Abstracts. 31.

—, with **Brian Junck**, undergraduate student, same department, and **George Kaminsky**, Washington Department of Ecology. "High Resolution Ground Penetrating Radar Imaging (225 - 900 MHz) of Geomorphic and Geologic Settings: Examples from Utah, Washington, and Wisconsin." Proceedings of the Eighth International Conference on Ground Penetrating Radar (GPR 2000), Gold Coast, Australia, 23-26 May 2000. Ed. D.A. Noon, G.F. Stickley, and D. Longstaff. *SPIE* 4084 (2000): 69-74.

—, with **Brian Junck**, undergraduate student, same department, **George Kaminsky** and **Diana McCandless**, Washington Department of Ecology. "High Resolution Ground Penetrating Radar Imaging of Late Prehistoric and Historical Barrier Progradation." Fourth Southwest Washington Coastal Erosion Study Workshop, Olympia, WA, 17-19 Nov. 1999. Abstracts. 60-62.

—, with **Brian Junck**, undergraduate student, same department. "3-Dimensional Investigation of Geomorphic Environments Using Ground Penetrating Radar." Proceedings of the Eighth International Conference on Ground Penetrating Radar (GPR 2000), Gold Coast, Australia, 23-26 May 2000. Ed. D.A. Noon, G.F. Stickley, and D. Longstaff. *SPIE* 4084 (2000): 314-18.

**Junck, Brian**, undergraduate student, with **Harry Jol**, faculty, same department. "A Ground Penetrating Radar Investigation of an Aeolian Sandstone Environment, Zion National Park." Association of American Geographers, 96th Annual Meeting, Pittsburgh, PA—Poster Presentation. 4-8 Apr. 1999, Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 204.

**Kinney, Timothy, Corrine Orzech, and Christopher Koehnen**, undergraduate students, with **Sean Hartnett** and **J. Brady Foust**, faculty, same department. "GPS Mapping Techniques of Fluvial Characteristics on Chippewa River, Eau Claire, Wisconsin." AAG Conference, New York, NY, 25 Feb.-3 Mar. 2001.

**Kloehn, Nichole, and Brian Junck**, undergraduate students, **Harry Jol** and **Garry Running**, faculty, same department, **Karyn Caldwell** and **Wendell Greek**, USAR Cultural Resources Program. "Ground Penetrating Radar Investigation of the West Prairie Mound Group, Central Wisconsin, U.S.A.: Are They Burial Mounds or Natural Landforms?" Proceedings of the Eighth International Conference on Ground Penetrating Radar (GPR 2000), Gold Coast, Australia, 23-26 May 2000. Ed. D.A. Noon, G.F. Stickley and D. Longstaff. *SPIE* 4084 (2000): 590-95.

—, with **Harry Jol** and **Garry Running**, faculty, same department. "Using Ground Penetrating Radar on Mound K: Is It a Burial Mound or Natural Landform?" Association of American Geographers, 96th Annual Meeting, Pittsburgh, PA—Poster Presentation. 4-8 Apr 1999, Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 205.

**Lahner, Joshua, Kimberly Long, and Casie Ollendick**, undergraduate students, with **Garry Running**, faculty, same department. "Boundaries and Features of the Pembina Spillway, Southwestern Manitoba." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

—, undergraduate student, with **Garry Running**, faculty, same department. "Geomorphology of the Pembina Spillway, Southcentral Manitoba." AAG Conference, New York, NY, 25 Feb.-3 Mar. 2001.

**Landis, Amy**, undergraduate student, with **Garry Running**, faculty, same department. "The Impact of Modern Land Use on Dune Stability and Erosion in the Oak Lake Sandhills of Southwestern Manitoba, Canada." 96th Annual Meeting of the Association of American Geographers, Pittsburgh, PA—Paper Presentation. Apr. 4 -8 2000.

**Long, Kimberly, and Jennifer Meisel**, undergraduate students, with **Garry Running**, faculty, same department. "Paleovegetation Reconstruction of the Elkwater Lake Basin Locality, Cypress Hills, Southeastern Alberta." Association of American Geographers Annual Conference, New York, NY, 27 Feb.-3 Mar. 2001.

**Marshall, Evan**, undergraduate student, with **J. Brady Foust**, faculty, same department. "Using GIS to Map Land Cover/Use Changes in the Illinois River-Alton Pool." AAG Conference, New York, NY, 25 Feb.-3 Mar. 2001.

**Minich, Bradford**, undergraduate student, with **Sean Hartnett**, faculty, same department. "Analysis of Different GPS Techniques to Map the Chippewa River." AAG Conference, New York, NY, 25 Feb.-3 Mar. 2001.

**Morton, Christopher**, undergraduate student, with **Harry Jol**, faculty, same department. "A Real-Time Geo-Archaeological Database for the Cave of Letters, Israel." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

—, undergraduate student, with **Harry Jol**, faculty, same department. "Real Time GIS Data Acquisition in the Cave of Letters." Biblical Archaeology for the 21st Century: Conference and Reunion, Omaha, NE, 9-11 Nov. 2000. Abstracts. 2.

**Neuens, Corrie**, undergraduate student, with **Garry Running**, faculty, same department. "An Aquifer Protection Case Study of Sioux Falls, South Dakota: The Role of GPS and GIS." 96th Annual Meeting of the Association of American Geographers, Pittsburgh, PA—Paper Presentation. Apr. 4 -8 2000.

**Ollendick, Casie**, undergraduate student, with **Garry Running**, faculty, same department. "Surficial Geology and Land Use of the Glacial Lake Hind Basin." AAG Conference, New York, NY, 25 Feb.-3 Mar. 2001.

**Saeger, Nicholas**, undergraduate student, with **Harry Jol**, faculty, same department. "Ground Penetrating Radar Experiments at Forest Hills Cemetary, Eau Claire, Wisconsin." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Stimers, Mitch**, undergraduate student, with **Theo, Lisa**, faculty, same department, and **Christos Theo**, faculty, Art. "Introducing Urban Theories and Concepts to Undergraduates Using GPS and GIS." Association of American Geographers, 96th Annual Meeting, PA, 4-8 Apr. 2000, Abstracts on CD-ROM. 2000.

**Van de Ven, Mari**, undergraduate student, with **Garry Running**, faculty, same department. "Soil Morphology at Joliet Training Area, Northeastern Illinois: Implications for Holocene Landscape Stability." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 207.

## GEOLOGY

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**Beaster, Karl, and Joshua Kohn**, undergraduate students, with **Karen Havholm**, faculty, same department. "Wind or Water? Paleoenvironment of the Protozoic Hinkley Sandstone, East Central, Minnesota." Institute of Lake Superior Geology. Thunder Bay, Ontario, 8-10 May 2000.

**Brandrup, Jody**, undergraduate student, with **Brian Mahoney**, faculty, same department, **Derek Booth** and **Kathy Troost**, University of Washington. "Geochemical Discrimination of Episodic Glaciofluvial Sedimentation, Puget Lowland, Washington." Cordilleran Section Geological Society of America National Conference. Vancouver, British Columbia, 26-30 Apr. 2000. *Geological Society of America Abstracts with Programs* 32.6 (2000): A-27.

**Cummings, Timothy, and Tyler Mace**, undergraduate students, with **Kent Syverson**, faculty, same department. "Computer Database to Analyze Glacial Till Samples in Western Wisconsin." Geological Society of America: North-Central Conference. Indianapolis, IN. 6-7 Apr. 2000. *Geological Society of America Abstracts with Programs* 32.4 (2000): A-24.

**Dahl, Eric Dahl**, undergraduate student, with **Brian Mahoney** and **Karen Havholm**, faculty, same department. "Stratigraphy of the Upper Cambrian Lone Rock Formation, Western Wisconsin." *Geological Society of America Abstracts with Programs* 31.3 (1999).

**Dettloff, Carter, and Sarah Gordee**, undergraduate students, with **Bradford Burton**, faculty, same department. "Geologic and Geochemical of Late Eocene-Oligocene Volcanic and Intrusive Rocks, Carlin-Pinon Range and Central Ruby Mountains, Elko County, Nevada." National Conference of the Geologic Society of America, Reno, NV, 11-20 Nov. 2000.

**Hanson, Kristen**, and **Maria Waggoner**, undergraduate students, with **Kent Syverson**, faculty, same department. "Glacial Geology of the Jim Falls 7.5' Quadrangle, Chippewa County, WI." Rocky Mountain GSA, Albuquerque, NM, 28 Apr.-2 May 2001. *Geological Society of America Abstracts and Programs* 33.4 (2001): A-4.

**Hyzer, Joel**, undergraduate student, with **Kent Syverson**, faculty, same department. "Glacial Geology of the Huron and Colburn 7.5' Quadrangles, East-central Chippewa County, Wisconsin." Geological Society of America: North-Central Conference. Indianapolis, IN, 6-7 Apr. 2000. *Geological Society of America Abstracts with Programs* 32.4 (2000): A-18.

**Klinger, Melissa**, undergraduate student, with **Brian Mahoney**, faculty, same department. "Geochemical Provenance Analysis of Conglomerate Clasts from Valle Group Cretaceous Forearc Basin Strata, Baja California." Geological Society of America: Section Meeting. Vancouver, British Columbia, 26-30 Apr. 2000.

**Morrison, Jean**, and **Carrie Rowe**, undergraduate students, with **Brian Mahoney** and **Robert Hooper**, faculty, same department. "Heavy Metal Partitioning and Transport in the Couer d' Alene River Valley, Northern Idaho." 1999 Annual Geologic Society of America Meeting. Denver, CO, 23-29 Oct. 1999. *Geological Society of America Abstracts with Programs* 31.3 (1999): A-410.

—, and **Carrie Rowe**, undergraduate students, with **Brian Mahoney** and **Robert Hooper**, faculty, same department. "Heavy Metal Partitioning in Heavily Contaminated Lead/Zinc Mine Tailings: What Really Happens During Sequential Extractions." 1999 Annual Geologic Society of America Meeting. Denver, CO, 23-29 Oct. 1999. *Geological Society of America Abstracts with Programs* 31.3 (1999): A-409.

**Rowe, Carrie**, and **Michael Schmidt**, undergraduate students, with **Brian Mahoney**, faculty, same department. "Clastic Dykes as Paleoslope Indicators in the Nanaimo Group, Horby Island, British Columbia." Cordilleran-Tectonics Workshop. Calgary, Alberta. 25-27 Feb. 2000.

—, and **Michael Schmidt**, undergraduate students, with **Brian Mahoney**, same department, **James Haggart**, Geological Survey of Canada, and **A.J. Justason**, University of Victoria. "Stratigraphy and Structure of Mesozoic Strata, Eastern Margin of Nass River Map-area (103P), British Columbia." *Geological Society of America Abstracts with Programs* 32.6 (2000): A-16.

**Schmidt, Michael**, undergraduate student, with **Brian Mahoney**, faculty, same department, **M. L. Haskin** and **P. S. Mustard**, Simon Fraser University. "Geochemical Characterization of the Cretaceous Spences Bridge Group: Potential Linkage Among Terrances in the Canadian Cordillera." 1999 Annual Geologic Society of America Meeting. Denver, CO, 23-29 Oct. 1999. *Geological Society of America Abstracts with Programs* 31.3 (1999): A-116.

**Spehle, Heather**, undergraduate student, with **Robert Hooper** and **Kent Syverson**, faculty, same department. "Clay Mineralogy of Pre-Late Wisconsin Till Units, Western Wisconsin." Geological Society of America: North-Central Conference. Indianapolis, IN, 6-7 Apr. 2000. *Geological Society of America Abstracts with Programs* 32.4 (2000): A-65.

—, and **Katie Thornburg**, undergraduate students, with **Kent Syverson**, faculty, same department. "Surficial Glacial Geology of the Albertville Quadrangle, Chippewa County, West-central Wisconsin." *Geological Society of America Abstracts with Programs* 31.5 (1999): A-73.

**Thornburg, Katie**, undergraduate student, with **Kent Syverson** and **Robert Hooper**, faculty, same department. "Clay Mineralogy of Till Units in Western Wisconsin." *Geological Society of America Abstracts with Programs* 32.7 (2000): A-270.

—, with **Kent Syverson**, faculty, same department. "Transmission Electron Microscopy of Grain and Biocoatings From Lead and Zinc Contaminated Sediments in the Lower Coeur D' Alene River." National Conference of the Geologic Society of America, Reno, NV, 11-17 Nov. 2000, North Central GSA, Normal, IL, 22-23 Apr. 2001.

**Waggoner, Maria**, and **Kristen Hanson**, undergraduate students, with **Kent Syverson**, faculty, same department. "Origin of the High-Relief Chippewa Moraine, Western Chippewa County, Wisconsin." North Central GSA, Normal, IL, 22-23 Apr. 2001. *Geological Society of America Abstracts with Programs* 33.4 (2001): A-3.

## HISTORY

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**Andersen, Jeremy**, undergraduate student, with **Jane Pederson**, faculty, same department. "Blood on the Payment: Jim Zwerg and the Freedom Rides of 1961." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 227.

**Ecker, Robert**, and **Rebecca Reid**, undergraduate students, with **Selika Ducksworth-Lawton**, faculty, same department. "Deacons for Defense and Justice in Mississippi and Alabama." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

**Kadonsky, Christine**, undergraduate student, with **Jane Pederson**, faculty, same department. "The Visual Representation of Rural Women of the Upper Midwest, 1900-1940." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 103, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.



**Kinney, Timothy, Joshua Lahner, and Corinne Orzech**, undergraduate students, same department, with **James Oberly**, faculty, same department. "The Elders Remember: A GPS Study of Stockbridge-Munsee Historical Land Use." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Lambert, Laura**, undergraduate student, with **James Oberly**, faculty, same department. "Women at the Boat Landings: The Experience of Chippewa Indian Women in Support of Treaty Rights, 1987-1991." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Lyons, Lori**, undergraduate student, with **Jane Pederson**, faculty, same department. "Steamboats and Rivermen in the Chippewa Valley 1849-1900." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 237.

**Tyberg, Seth**, undergraduate student, with **James Oberly**, faculty, same department. "Comparative Paths to Development: Agriculture and Land-Ownership in Wisconsin and Santa Fe, 1869-1990." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

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## HUMAN DEVELOPMENT CENTER

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**Arrowood, Linda, and Tracey Busch**, undergraduate students, with **Vicki Snider**, faculty, same department. "Special and General Educators' Attitudes, Knowledge, and Experience Regarding the Use of Stimulant Medication for the Treatment of ADHD." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 341.

**Cermak, Joseph, Carey Farmer, and Laura Parker**, undergraduate students, with **William Frankenger**, faculty, same department. "School Psychologists' Attitudes and Knowledge Regarding the Use of Stimulant Medication for Treatment of Attention-Deficit/Hyperactivity Disorder." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 346.

**Frankenger, William**, faculty, with **Heidi Borgschatz** and **Rebecca Eder**, undergraduate students, same department. "Effects of Information on Perceptions of Stimulant Medication Efficacy for Treatment of Attention-Deficit Hyperactivity Disorder." *Psychology in the Schools* 36.5 (1999): 515-22.

**Osborne, Kristy, Zena Olsen, and Jon Schmitz**, undergraduate students, with **Linda Carpenter**, faculty, same department. "Knowledge, Experiences, and Opinions of School-Based Speech Language Pathologists Regarding ADHD." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 368, WSHA Wisconsin Speech and Hearing Association. Milwaukee, WI. 31 Mar.-1 Apr. 2000.

**Parker, Laura, Linda Arrowood, Tracey Busch, Joseph Cermak, Carey Farmer, Rebecca Holtz, Zena Olsen, Kristy Osborne, Jon Schmitz, and Polly Ann Scholze**, undergraduate students, with **Linda Carpenter, William Frankenger, Vicki Snider, and Elaine Wendt**, faculty, same department. "Professionals' Attitudes, Knowledge, and Experience Regarding the Use of Stimulant Medication for the Treatment of ADHD." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 368.

**Scholze, Polly Ann, and Rebecca Holtz**, undergraduate students, with **Elaine Wendt**, faculty, same department. "A Survey of Wisconsin School Nurses Knowledge, Opinions, and Experiences Regarding Attention Deficit Hyperactivity Disorder and Use of Stimulant Medications." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 314.

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**Berglund, Katie**, undergraduate student, with **Toni Poll-Sorensen**, faculty, same department. "The Book of Ruth." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 165.

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## MANAGEMENT AND MARKETING

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**Christians, Lori**, undergraduate student, with **Chuck Tomkovick**, faculty, same department. "Super Bowl Ads in Hollywood—A Match Made in Heaven." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 273.

—, undergraduate student, with **Chuck Tomkovick** and **Rama Yelkur**, faculty, same department. "Super Bowl Advertising Helps Hollywood Sell its Movies in the '90s, Expanding Marketing Horizons into the 21st Century." Association of Marketing Theory and Practice. Hilton Head, NC. Apr. 2000. 261-62.

**Holm, Nancy**, undergraduate student, with **Robert Erffmeyer** and **Rama Yelkur**, faculty, same department. "The Impact of NAFTA on Specific U.S. Industries: A Five Year Review." Proceedings of the Society for Marketing Advances, Orlando, FL, 8-11 Nov. 2000. Ed. Dawn R. Deeter-Schmelz and Timothy P. Hartman. Radford, VA: Society for Marketing Advances, 2000. 77-80.

**Piercy, John**, undergraduate student, with **Marilyn Bergmann**, **Todd Hostager**, and **Kathy Ready**, faculty, same department. "The Human Side of Group Support Systems: The Effects of Facilitator Style and Participant Mood on Multiple Facets of Meeting Satisfaction." 2000 Southern Management Association Conference, Orlando, FL, 1-10 Nov. 2000. Proceedings. 300-06.

**Tomkovick, Chuck**, faculty, with **Rama Yelkur**, faculty, same department, and **Lori Christians**, undergraduate student, same department. "America's Biggest Marketing Event Keeps Getting Bigger: An In-Depth Look at Super Bowl Advertising in the 90's." 2000 AMA Educators' Proceedings, Chicago, IL, Summer 2000. Enhancing Knowledge Development in Marketing. 298-99, *Journal of Marketing Communications* 7.2 (2001): 89-108.

## MATHEMATICS

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**Butterfield, Chandra**, undergraduate student, with **Mohamed Elgindi** and **Robert Langer**, faculty, same department. "On the Numerical Computations of Maximal Regular (Stable) Subinterval Matrices." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 278.

**Cox, Jennifer**, undergraduate student, with **Michael Penkava**, faculty, same department. "Deformations of Infinity Algebras." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

**Elgindi, Ali**, undergraduate student, with **Walter Reid**, faculty, same department. "Counting Zeros of Functions: Rouche's Theorem and Its Applications." Tenth Annual Mathematics Retreat, University of Wisconsin-Eau Claire, Eau Claire, WI—Oral Presentation. 4 Apr. 2001.

**Hahn, Christopher**, undergraduate student, with **Walter Reid**, faculty, same department. "Sines of Hypoc-ellipse." Ninth Annual Mathematics Retreat, University of Wisconsin-Eau Claire, Eau Claire, WI - Oral Presentation. 12 Apr. 2000.

**Hover, Alison**, undergraduate student, with **Veena Chadha**, faculty, same department. "The Biggest Splash." Tenth Annual Mathematics Retreat, University of Wisconsin-Eau Claire, Eau Claire, WI—Oral Presentation. 4 Apr. 2001.

**Johnson, Paul**, and **Timothy Tucek**, undergraduate students, with **Yvonne Chueh**, faculty, same department. "Asset Marketability and Liquidity Analysis." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

**Koss, Jill**, undergraduate student, with **Mohamed Elgindi** and **Robert Langer**, faculty, same department. "On the Numerical Computation of Maximal h-Positive (Semi) Subinterval Matrices." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 282.

**Malueg, Jill**, undergraduate student, with **Michael Penkava**, faculty, same department. "Orthogonal Polynomials and Some Fascinating Applications." MAA Wisconsin Section Meeting. Superior, WI, 14 Apr. 2000.

**Miller, Heidi**, undergraduate student, and **Veena Chadha**, faculty, same department. " $x-1 \leq \ln(x)$  and Holder Inequality." Tenth Annual Mathematics Retreat, University of Wisconsin-Eau Claire, Eau Claire, WI—Oral Presentation. 4 Apr. 2001.

**Ouda, Heba**, undergraduate student, with **Veena Chadha**, faculty, same department. "Integers with Digit '3'!!" The 9th Annual Mathematics Retreat, University of Wisconsin-Eau Claire, Eau Claire, WI - Oral Presentation. 12 Apr. 2000.

## MUSIC AND THEATRE ARTS

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**Bartig, Kevin**, undergraduate student, with **Penelope Cecchini**, faculty, same department. "The Development of the Piano and Beethoven's Compositional Style." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 306.

**Pivec, Matthew**, undergraduate student, with **Michael Cunningham**, faculty, same department. *PIVEC plays CUNNINGHAM*. Compact Disc. Eau Claire: University of Wisconsin-Eau Claire, 2000.

**Poss, Nicholas**, undergraduate student, with **Gretchen Peters**, faculty, same department. "From Function to Symbol: The Changing World of Hmong Music." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

—, undergraduate student, with **Gretchen Peters**, faculty, same department. "Traditional Music of the Hmong in Eau Claire, WI." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 56.

## PHILOSOPHY AND RELIGIOUS STUDIES

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**Hale, Jennifer**, undergraduate student, with **Lori Rowlett**, faculty, same department. "The Feminine Face of Voodoo in New Orleans: One Mambo's View." Regional Meeting of the American Academy of Religion, St. Paul, MN, April 2000.

—, with **Lori Rowlett**, faculty, same department. "Response to the Inaugural Session of the Bible and the New Historicism." American Academy of Religion Annual Conference, Boston, MA, 19-23 Nov. 1999.



**Lind, Olaf**, undergraduate student, with **Edward Beach**, faculty, same department. "Marxist Interpretations of Mythology: An Explanation of Ancient Myth Through Economy." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 129, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

**Meyer, Matthew**, undergraduate student, with **James Brummer**, faculty, same department. "Nietzsche's Slave Morality." Rocky Mountain Philosophy Conference, Boulder, CO, 21-21 Apr. 2001.

**Schneider, Gregory**, undergraduate student, with **James Brummer**, faculty, same department. "Descartes: Theodicy and Ethics of Belief." North Central GSA, Normal, IL, 22-23 Apr. 2001.

## PHYSICS AND ASTRONOMY

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**Bartig, Kevin**, undergraduate student, with **George Stecher**, faculty, same department. "Making a Planetarium Show as an Undergraduate Directed Study Project." Wisconsin Iowa Minnesota Planetarium Society 2001 Meeting, Rochester, MN—Oral Presentation. 20-21 Apr. 2001.

—, undergraduate student, with **Lauren Likkell**, faculty, same department. "Understanding Planetary Nebulae: Investigating the Excitation of Molecular Hydrogen." Wisconsin Association of Physics Teachers 2000 Annual Meeting, River Falls, WI—Poster Presentation. 27-28 Oct. 2000.

**Bauer, Gabriel**, and **Lynn Gravatt**, undergraduate students, with **George Stecher** and **Lyle Ford**, faculty, same department. "A Photometric Analysis of CC Com." Wisconsin Association of Physics Teachers 2000 Annual Meeting, River Falls, WI—Poster Presentation. 27-28 Oct. 2000.

**Jaeger, Theodore**, undergraduate student, with **George Stecher**, faculty, same department. "Characterization of Vacuum-Formed Membrane Mirrors." Wisconsin Association of Physics Teachers 2000 Annual Meeting, River Falls, WI—Poster Presentation. 27-28 Oct. 2000.

—, and **Paul Martin**, undergraduate students, with **Lyle Ford** and **George Stecher**, faculty, same department. "Determination of Rotation Properties of Asteroids." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Kindt, Anna**, undergraduate student, with **Lauren Likkell**, faculty, same department, **H. Dinerstein** and **D. Lester**, University of Texas Austin. "Near-Infrared Observations of H<sub>2</sub> Emission in Planetary Nebulae." Astronomical Society of the Pacific Conference Series. Ed. J. Kastner, N. Soker and S. Rappaport. Chelsea, MI: Sheridan, 2000. 333-36.

**Kollwitz, Jack**, undergraduate student, with **Kim Pierson**, faculty, same department. "Transmission Electron Microscopy of Nanometer-Sized Projections Developed During Ion Bombardment." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 403, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Peterson, John**, undergraduate student, with **J. Erik Hendrickson** and **Paul Thomas**, faculty, same department. "A Classroom Demonstration Illustrating the Galileo Magnetometer Evidence for a Subsurface Ocean on Europa." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

**Rassbach, Amy**, undergraduate student, with **Matthew Evans**, faculty, same department. "Scanning Tunneling Microscopy Studies of GaAs." Materials Research Science and Engineering Center (MRSEC) Summer Research Day, Minneapolis, MN, Aug. 2000.

—, with **Matthew Evans**, faculty, same department. "Summer Studies in Scanning Tunneling Microscopy." Materials Research Science and Engineering Center (MRSEC) Poster Day, Minneapolis, MN, Aug. 2000.

—, with **Matthew Evans**, faculty, same department. "Varying the Growth of Manganese on Si(111) with Temperature and Coverage." March Meeting of the American Physical Society, Minneapolis, MN, Mar. 2000.

**Whitelaw, Derrick**, undergraduate student, with **Paul Thomas**, faculty, same department, **Marc Goulet** and **Alexander Smith**, faculty, Mathematics, and **Christopher Chyba**, SETI Institute. "Refreezing Timescales Following a Melt Through Event on Euro." Proceedings of the 31st Lunar and Planetary Science Conference. Ed. C.G. Agee and D.C. Black. Houston: Lunar and Planetary Inst. 2000. 1208. <[www.lpi.usra.edu](http://www.lpi.usra.edu)>.

## POLITICAL SCIENCE

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**Duerst, Lindsey**, and **Glory Koloen**, undergraduate students, with **Geoff Peterson**, faculty, same department. "It May Be Funny, But Is It True? The Political Content of Late-Night Talk Show Monologues." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001, American Political Science Association National Conference, San Francisco, CA, 30 Aug-2 Sept. 2001.

**Gehring, Melissa**, and **James Johnson**, undergraduate students, with **Geoff Peterson**, faculty, same department. "Bets and Ballots: The Impact of Legalized Gambling on American Indian Politics." American Political Science Association National Conference, San Francisco, CA, 30 Aug-2 Sept. 2001.

**Hanke, James**, undergraduate student, with **Steven Majstorovic**, faculty, same department. "Ethnic Cleansing: Eastern Europe's Shortcut to Democracy." Western Political Science Association Annual Conference. San Jose, CA. 23-26 Mar. 2000, Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 169, The New Nationalism at the Annual Meeting of the Western Politics Science Association. San Jose, CA—Oral Presentation. Mar. 2000.

**Zabrowski, Angela**, undergraduate student, with **Steven Majstorovic**, faculty, same department. "The Quasi-Ethnic Dimensions of Sexual Minorities: A Comparative Analysis." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 227, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

## PSYCHOLOGY

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**Alvarez, Elizabeth**, and **Amanda Retzak**, undergraduate students, with **Gregory Madden**, faculty, same department. "Effects of Conditioned-Stimulus Strength on Impulsivity in Pigeons." Association for Behavioral Analysis, New Orleans, LA, 24-28 May 2001.

**Anderson, Stacy**, **Amanda Fischer**, and **Elisha Poppitz**, undergraduate students, with **William Woody**, faculty, same department. "Are Males or Females More Vengeful? Perpetrators, Victims, and Sex-Roles Identification." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 414, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Bracco, Julia**, and **Erin Scannell**, undergraduate students, with **Blaine Peden**, faculty, same department. "Beauty in the Eyes of the Beholder: Who's Looking at What?" Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 345, Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 252.

**Burnazi, Laurela**, and **Tetsuo Yamaguchi**, undergraduate students, with **Gregory Madden** and **Blaine Peden**, faculty, same department. "Free Operant Group Choice." Association for Behavior Analysis, Washington, D.C.—Oral Presentation. 26-30 May 2000.

**Carden, Heather**, **Rebecca Kelm**, and **Davin Mikkonen**, undergraduate students, with **William Woody**, faculty, same department. "Motivations for Revenge: Individual Biases and Gender Biases." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 430, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Carlson, Christy**, undergraduate student, with **Lori Bica**, faculty, same department. "Using Videos in the Classroom: The Effects of Adjunct Questioning on Attention and Short-term and Long-term Retention of Information." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 247.

**Cermank, Joseph**, and **Andrew Harris**, undergraduate students, with **Gregory Madden**, faculty, same department. "Effects of Response Topography on Discounting Delayed Reinforcers in Pigeons." Association for Behavior Analysis, Washington, D.C.—Poster Presentation. 26-30 May 2000.

**Dake, Jamie**, **Jennifer Gross**, and **Bethany Raiff**, undergraduate students, with **Gregory Madden**, faculty, same department. "Effects of Varying Schedules of Food Rewards on Consumption and Response Output in Pigeons." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 411, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

—, **Jennifer Gross**, and **Bethany Raiff**, undergraduate students, with **Gregory Madden**, faculty, same department. "Unit Prices Composed of Fixed-ratio and Variable-ratio Schedules of Reinforcement." Association for Behavior Analysis, New Orleans, LA—Oral Presentation. 25-29 May 2000.

**Doepke, Lauri**, and **Sarah Strudle**, undergraduate students, with **Allen Keniston**, faculty, same department. "The Effect of Working Memory Span on the Activation of Predictive Inferences." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001, Psychonomic Society, New Orleans, LA, 16-19 Nov. 2000.

**Gantz, Andrea**, and **Bethany Raiff**, undergraduate students, with **Gregory Madden**, faculty, same department. "Can Humans Accurately Report How They Would Discount Hypothetical Rewards?" Association for Behavioral Analysis, New Orleans, LA, 24-28 May 2001.

—, **Andrew Harris**, **Lana Kastern**, and **Bethany Raiff**, undergraduate students, with **Gregory Madden**, faculty, same department. "Human Discounting of Delayed Monetary Rewards: Real vs Hypothetical Rewards." Annual Conference of the Association for Behavior Analysis, Washington, D.C.—Poster Presentation. 26-30 May 2000.

—, **Bethany Raiff**, **Kari Mathews**, and **Desiree Nohner**, undergraduate students, with **Gregory Madden**, faculty, same department. “Human Discounting of Delayed Monetary Rewards: Real vs. Hypothetical Rewards.” Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 419.

**Gross, Jennifer**, undergraduate student, with **Gregory Madden**, faculty, same department. “A Novel Tests of the Behavioral Economic Concept of Unit Price.” Annual Conference of the Association for Behavior Analysis, Washington, D.C.—Poster Presentation. 26-30 May 2000, Association for Behavior Analysis, Washington, D.C.—Poster Presentation. 26-30 May 2000.

**Hanely, Jen**, **Bob Losby**, **Paul Thomas**, and **Thomas Tysver**, undergraduate students, with **Allen Keniston**, faculty, same department. “The Study of the Effects of Exercise on Stress, Depression Levels, and Health Risk Factors.” Annual Conference of the Association for Behavior Analysis. Washington D.C.—Poster Presentation. 26-30 May 2000, Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. 377.

**Henn, April**, undergraduate student, with **Blaine Peden**, faculty, same department. “Do Opinions About Having ‘Had Sex’ Depend on Relational and Attitudinal Variables?” Midwestern Psychology Association Convention, Chicago, IL, 2-5 May 2001.

**Hogan, Aimee**, and **Kathryn Leisz**, undergraduate students, with **Blaine Peden**, faculty, same department. “The Effects of Age on Attitudes Toward Public Displays of Affection.” Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 423.

**Krueger, Krista**, and **Jennifer Gross**, undergraduate students, with **Gregory Madden** and **Blaine Peden**, faculty, same department. “Human Foraging and the Ideal Free Distribution.” Annual Conference of the Association for Behavioral Analysis in New Orleans, LA, 24-28 May 2001.

**Mikkonen, Davin**, and **Elisha Poppitz**, undergraduate students, with **William Woody**, faculty, same department. “Effects of Type of Regional Socialization, Relationship, and Age on Attitudes Toward Vengeance.” Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 369, Midwestern Psychology Association Convention, Chicago, IL, 2-5 May 2001.

**Miller, Jeffrey**, undergraduate student, with **Marie Crothers**, faculty, same department. “The Effects of Tempo Permutations on Typing Test Measurements of Speed and Accuracy.” Midwestern Psychology Association Convention, Chicago, IL, 2-5 May 2001.

—, with **Allen Keniston** and **Blaine Peden**, faculty, same department, and **Lee Anna Rassar**, faculty, Allied Health Professions. “Music and Memory-Related Disorders: A Review of the Literature.” Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

—, with **Blaine Peden**, faculty, same department. “Tempo Direction and Textual Consistency: Implications for Test-Taking.” Midwestern Psychology Association Convention, Chicago, IL, 2-5 May 2001.

**Ness, Cheri**, and **Jaelyn Rudebeck**, undergraduate students, with **William Woody**, faculty, same department. “Understanding Burden of Proof in Civil Cases with Punitive Damage Awards.” Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 367, Midwestern Psychology Association Convention, Chicago, IL, 2-5 May 2001.

**Peterson, Carrie**, undergraduate student, with **Gregory Madden**, faculty, same department. “Are Pigeons Impulsive: A Response Topography Analysis.” Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 369, Annual Conference of the Association for Behavior Analysis, Washington, D.C.—Poster Presentation. 26-30 May 2000.

—, undergraduate student, with **Gregory Madden**, faculty, same department. “Effects of Response Topography on Impulsivity in Pigeons.” Association for Behavior Analysis, Washington, D.C.—Poster Presentation. 26-30 May 2000.

**Rudebeck, Jaelyn**, undergraduate student, with **William Woody**, faculty, same department. “Juveniles Tried as Adults: Age and Fairness.” Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 422, Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001.

**Schmitz, Sheila**, and **Elizabeth Alvarez**, undergraduate students, with **Marie Crothers**, faculty, same department. “The Relationship Between Fear of AIDS and Sexual Behavior Among College Students.” Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001, Midwestern Psychology Association Convention, Chicago, IL, 2-5 May 2001.

## SOCIOLOGY AND ANTHROPOLOGY

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**Slowiak, Julie**, and **Alicia Bear**, undergraduate students, with **Blaine Peden**, faculty, same department. "Litter Butts: A Look at the Relationship Among Smokers' Gender, Social Environment and Cigarette Disposal." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001, Midwestern Psychology Association Convention, Chicago, IL, 2-5 May 2001.

**Spaak, Jill**, and **Kimberly Bateman**, undergraduate students, with **Blaine Peden** and **Allen Keniston**, faculty, same department. "The Effects of Rumination on Depression." Fourteenth National Conference on Undergraduate Research. Missoula, MT, 27-29 Apr. 2000. Abstract Book. Missoula, MT: University of Montana, 2000. 343.

—, with **Blaine Peden**, faculty, same department. "Students' Turn to Speak: Reflections on Curriculum and Other Aspects of Undergraduate Experiences." Mid-American Conference for Teachers of Psychology. Evansville, IN, 7-9 Oct. 1999.

**Wahlstrom, Jill**, and **Kathryn Hamilton**, undergraduate students, with **Blaine Peden**, faculty, same department. "Rates of Flirtation by Opposite-Sex Couples in a High and Low Activity Bar." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Poster Presentation. Eau Claire, WI. 24 Apr. 2001, Midwestern Psychology Association Convention, Chicago, IL, 2-5 May 2001.

**Welch, Cassie**, undergraduate student, with **Gregory Madden**, faculty, same department. "Human Discounting of Lump Sum Rewards and Installment Payments: Implications for Our Understanding of Substance Abuse." Association for Behavioral Analysis, New Orleans, LA, 24-28 May 2001.

## SOCIAL WORK

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**Borchert, Becky**, and **Chrisna Kirichkow**, undergraduate students, with **Don Mowry**, faculty, same department, and **Steven Tallant**, faculty, Academic Affairs-Administrative. "Evaluation of the Chippewa Valley Free Health Clinic." Fifteenth National Conference on Undergraduate Research. Lexington, KY. 15-17 Apr. 2001. Abstract Book. Lexington, KY: University of Kentucky, 2001. 269.

**Monti, Adriana**, and **Inger Nelson**, undergraduate students, with **Gloria Fennell**, faculty, same department. "Adoption Follow-Up." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.

**Englund, Jay**, undergraduate student, with **Douglas Pearson**, faculty, same department. "Use of Soundbeam to Elicit Movement and Target Speech Therapy Goals." ACJS 37th Annual Meeting. New Orleans, LA, 22-24 Mar. 2000.

**Lustig, Lori**, undergraduate student, with **Jacqueline Carrigan**, faculty, same department. "An Analysis of the Content and Effectiveness of Anti-Harassment Policies and Programs in Wisconsin's Public Schools." Midwest Sociological Society Annual Meeting. Chicago, IL, 19-22 Apr. 2000.

**Yamasaki, Nao**, undergraduate student, with **Helaine Minkus**, faculty, same department. "The Social Networks of International Students." Third Annual UW-System Symposium for Undergraduate Research and Creative Activity—Oral Presentation. Eau Claire, WI. 24 Apr. 2001.