



Photo by Simon Birky-Hartmann, Senior Art Major

# **Goshen College Eleventh Annual Student Research Symposium Newcomer Center Saturday March 14, 2009**

**12:30-5:30 p.m. Registration 12:45-12:50 Newcomer Lobby  
12:50 NC 17 Opening Comments: Professor Jo-Ann A. Brant, Honors Director**

**Session One: Concurrent sessions in NC 14 and 17.  
Newcomer 14 1:00-2:50 pm Chair: Benito D. Miller**

1:00-1:15 Jason Yoder, "Automated Intelligent Play of Coalition Games," Department of Mathematics

1:15-1:35 Ben M. Jacobs, "Romancing the War: Nostalgia as Grounds for Imperialism in Bronson Howard's *Shenandoah: a Military Comedy*," Department of English

1:35-1:50 Nathan Burmester, "Facing Economic Issues with Natural Resource Management on Ometepe," Departments of International Education and Biology

1:50 -2:00 10 Minute Break

2:00- 2:15 Alex L. Caskey, "Rural Development Projects in Nicaragua: Candelaria - A Case Study," Department of International Education

2:15-2:30 Emmy Lu Gibson, "The Effects of Music on Speed, Heart Rate and Rate of Perceived Exertion During a One Mile Run/Walk," Department of Physical Education

2:30-2:50 Rebecca K. Friesen and Kathy A. Steiner, "Calculating the Chemical Potential and Predicting Sterol Diffusion Rates of a Cholesterol Infused Bilayer," Department of Physics

**Newcomer 17 1:00-2:50 pm Chair: Paul E. M. Boers**

1:00-1:15 Dara Joy Jaworowicz, "Musical Theology: Mychael Danna's Intentional Scoring of 'The Nativity Story,'" Department of BRP

1:15-1:35 Rachel R. Halder, "Prostitution, Violence, & Poverty: Linking Chimbote Women to a Broader World Issue," Departments of Women & International Education

1:35-1:50 M. Caitlin Helmuth, "Wilderness Therapy: Challenges and Obstacles," Department of Social Work

1:50 -2:00 10 Minute Break

2:00- 2:20 Kathryn M. Schlabach, "Ultrastructural Analysis of Radiation Effects from Liver Cancer Therapy," Department of Biology

2:20-2:35 Daniel M. Moya, "Deuteronomic Justice in the book of Job," Department of Peace Justice and Conflict Studies

2:35-2:50 Elizabeth Ruth Speigle, "Understanding Satan: The Origins and Implications of the Devil in Christian Theology," Department of Bible, Religion and Philosophy

**2:50-3:15 Break -- Refreshments provided for all presenters and audience members.**

**Session Two: Concurrent sessions in NC 14 and 17.**

**Newcomer 14 3:15-5:05 pm Chair: Breanna J. Nickel**

3:15-3:30 Haly F. Williamson, "Trends Between Male and Female Mathematical Self-efficacy and Mathematical Achievement," Department of Education

3:30-3:45 K. L. Arienne Johnson, "Holy Blasphemy: Interpreting the Unforgivable Sin," Department of Bible, Religion and Philosophy

3:45-4:05 Amy L. Showalter, "Called to Meeting Grounds: Aspiring beyond Cultural Sensitivity," Department of Bible, Religion and Philosophy

4:05-4:15 10 Minute Break

4:15-4:35 Meaghan T. K. Bylsma & Tina M. Hstand, "Social, Religious and Political Attitudes of College Students," Department of Psychology

4:35-4:50 Carolyn M. Stigge, "Reducing the Risk for Unintended Pregnancy in Adolescent Females of Low Socioeconomic Status," Department of Nursing

4:50-5:05 Jenna M. Buller, "Physical & Mental Health Care Needs of Children and Adolescents in Elkhart County who are Socioeconomically Disadvantaged," Department of Nursing

**Newcomer 17 3:15-5:20 pm Chair: Audra J. Christophel**

3:15-3:30 Janna E. Reiff, "Adolescent Pregnancy: Aggregate Needs Analysis," Department of Nursing

3:30-3:45 Lindsay E. Yoder, "Obesity in Children in Goshen Schools," Department of Nursing

3:45-4:05 Chase W. Snyder, Alana S. Kenagy, and Rachel R. Halder, "Black Representations in American Video Media," Department of Communications

4:05-15 10 Minute Break

4:15-4:35 Lydette S. Assefa, "Identity in the midst of Instability: An Analysis of the Relationship between the Ethiopian Orthodox Church and the Meserete Kristos Church in the 1960s-1970s," Department of History

4:35-4:50 Matthew Y. Harms, "Atonement Theology and Criminal Justice: The Dangers of Conflating Satisfaction Atonement with Retributive Justice," Department of Peace, Justice and Conflict Studies

4:50-5:05 Matthew J. Plummer, "Reinterpreting Original Sin through the Word," Department of Bible Religion and Philosophy

5:05-5:20 David Stolfus Jost, "Policing in the Soviet State: 1917-1945," Department of History

**5:30-6:30 Dinner for Presenters and Chairs**