The Faculty Notebook, February 2009

Keywords
Provost's Office, Faculty Publishing, Academic Publishing, Academic Achievement, Gettysburg College

Abstract
The Faculty Notebook is published periodically by the Office of the Provost at Gettysburg College to bring to the attention of the campus community accomplishments and activities of academic interest. Faculty are encouraged to submit materials for consideration for publication to the Associate Provost for Faculty Development. Copies of this publication are available at the Office of the Provost.
Temma Berg, Professor of English, contributed a chapter to *Refiguring the Coquette: Essays on Culture and Coquetry*, edited by Shelley King and Yael Schlick and published by Bucknell University Press (2008). Her chapter (pages 103-124) is titled “Un/Becoming a Coquette; or, ‘one Victim of Fancy Loves Another.’” Examining the figure of the coquette as embodied in the much-maligned Sylvia Brathwaite, Berg’s chapter provides a sympathetic reading of the complex subjectivity of a young woman in the eighteenth-century marriage market.

Emelio Betances, Professor of Sociology and Latin American Studies, published “La Iglesia católica y la mediación política en la República Dominicana” in *Global*, Vol. 5 (2008): 12-18. The study suggests that Catholic Church participation in the mediation of the elections of 1986 and 1994 strengthened its role as conciliator in national politics and turned it into a special actor that promotes democracy as the most adequate political system. It also posits that electoral conflicts were partly due to the institutional weakness of the Central Electoral Commission at the time. *Global* is the journal of the Fundación Global Democracia y Desarrollo.

Michael Birkner, Professor of History and Benjamin Franklin Chair of the Liberal Arts, wrote the introduction to *The Pennsylvania Magazine of History and Biography*, Vol. 132 (2008): 307-309, with Randall M. Miller. Birkner and Miller were guest editors of this edition of the magazine.

Philip Bobko, Professor of Management and affiliate in Psychology, published “Cross-cultural development of an abridged job insecurity measure” in *Journal of Organizational Behavior*, Vol. 29 (2008): 373-390. Bobko was the second author, with C. Lee (first author), S. Ashford, Z. Chen, and X. Ren. The article took a well-regarded measure of job insecurity by Ashford, et al., and, using four samples from the United States and China, presented the development of a theoretically-based abridged measure which might increase the scale’s efficiency.

Bobko also published “Ethnic and gender subgroup differences in assessment center ratings: A meta-analysis” in *Journal of Applied Psychology*, Vol. 93 (2008): 685-691. The article was co-authored with M. Dean (first author) and P. Roth. The article presents a meta-analysis of the literature on assessment centers as selection devices. Results indicate that black-white differences may be larger than previously thought, and that females scored higher, on average, than males.
Bobko, with co-authors D. Potosky (first author) and P. Roth, published “Some comments on Pareto thinking, test validity, and adverse impact: When ‘and’ is optimal and ‘or’ is a trade-off” in *International Journal of Selection and Assessment*, Vol. 16 (2008): 201-205. The article provides a commentary on recent uses, and possible misuses, of Pareto optimization techniques in personnel selection settings.

Bobko also published “Work sample tests in personnel selection: A meta-analysis of Black-White differences in overall and exercise scores” in *Personnel Psychology*, Vol. 61 (2008): 637-662. The article was co-authored with P. Roth (first author), L. McFarland, and M. Buster. The authors conducted a meta-analysis of the literature on work sample tests as selection devices and find larger black-white differences than previously suggested in the literature. Their results also indicate that the construct saturation of the work sample exams influence the magnitude of the differences.


In the same book, Cohen-Pfister wrote the chapter titled “An Aesthetics of Memory for Third-Generation Germans.” The chapter (pages 119-134) examines Tanya Dückers’ novel *Himmelskörper* in regard to a generational shift in perspective on the legacies of National Socialism, World War II, and the Holocaust, and it considers the shift’s significance in defining self-understanding for the third generation of post-war Germans.

John A. Comitto, Professor of Environmental Studies, published “Species Diversity in the Soft-Bottom Intertidal Zone: Biogenic Structure, Sediment, and Macrofauna Across Mussel Bed Spatial Scales” in *Journal of Experimental Marine Biology and Ecology*, Vol. 366 (2008): 70-81. Written with coauthors Serena Como (University of Pisa and the International Marine Centre), Benjamin M. Grupe, class of 2003 (now at University of California at San Diego/Scripps Institution of Oceanography), and Wendy E. Dow, class of 2003 (now at Duke University), the article shows that mussels play a dominant role in controlling seafloor biodiversity along the coast of Maine. Mussels are “ecosystem engineers” that modify the physical and chemical environment in ways that are beneficial to some species but harmful to others.

Mary Evangeliste, Director of User Services and Outreach, Musselman Library, contributed a chapter titled “Guidelines for knowing and showing: from good to great bosses” to *Staff Development Strategies that Work!* The book was edited by Georgie L. Donovan and Miguel A. Figueroa and published by Neal-Schuman, 2009. The chapter (pages 21-30) outlines eight guidelines that wonderful mentors and bosses have used to motivate the author in her career.

Peter Fong, Professor of Biology, published “Norfluoxetine Induces Spawning and Parturition in Estuarine and Freshwater Bivalves” in the *Bulletin of Environmental Contamination and Toxicology*, Vol. 81 (2008): 535-538. Written with coauthor Nikolett Molnar, class of 2007, the paper is the first to show that metabolites of the antidepressant Prozac, which have been detected downstream of sewage treatment plants, can induce reproduction in aquatic animals such as clams and mussels.


Steve Gimbel, Associate Professor of Philosophy, published “Invariance: A Tale of Intellectual Migration” in *Convergence Review*, Vol. 1 (2009): 41-60. The article shows how the spread of the concept of invariance, which started in algebra and made its way to geometry, physics, philosophy, and finally psychology, shows the interconnectedness of the intellectual community and its projects.


Glass, with co-authors Jeff Achter and Rachel Pries, also published “Curves of given p-rank with trivial automorphism group” in *Michigan Mathematical Journal*, Vol. 56 (2008): 583-592. Although it is well known that a generic curve will not have any nontrivial symmetries, whether this holds true if one looks only at curves that have a fixed amount of p-torsion has been an open question for some time. The authors show that it does hold true, confirming that there is in general no direct relationship between the amount of p-torsion of a curve and the number of symmetries it has. The article can be accessed online at http://projecteuclid.org/DPubS?service=UI&version=1.0&verb=Display&handle=euclid.mmj.
Allen C. Guelzo, Professor of History and Luce Professor of Civil War Era Studies, contributed “A. Lincoln, Philosopher: Lincoln’s Place in Nineteenth-Century Intellectual History” to Lincoln’s America: 1809-1865, edited by Joseph R. Fornieri and Sara Vaughn Gabbard. Guelzo’s essay (pages 7-27) directs attention to the surprising depth with which Lincoln read and absorbed many of the major literary and philosophical ideas of his day, especially concerning classical liberal democracy and free-labor economics, and makes connections between those ideas and a number of his most famous public statements and policies. Lincoln’s America: 1809-1865 was published by Southern Illinois University Press in 2008.

Barbara Schmitter Heisler, Professor Emerita of Sociology, published an article in German Studies Review, Vol. 31 (2008): 537-556. The article, entitled “Returning to America: German Prisoners of War and the American Experience,” explores the connections between the experiences of German prisoners of war who were interned in the United States during the Second World War and their post-war immigration to the United States.

Heisler, with co-author Hermann Kurthen, also published “Immigrant Integration: Comparative Evidence from the United States and Germany” in Ethnic and Racial Studies, Vol. 32 (2009): 139-170. The authors compare immigrant integration in the United States and Germany, focusing on Turks in Germany and Mexicans in the United States. Comparing cross-sectional data from the 1997 German Socio-Economic Panel and the 1997 US Income Dynamics Panel, the authors find that integration is not a linear process but a “patchwork” of integration, stagnation, and regression. Contrary to popular perceptions, Mexicans in the United States are not better integrated than are Turks in Germany.

Heisler also published an article entitled “The Bracero Program and the Mexican Migration to the United States” in Journal of the West, Vol. 47 (2008): 65-72. The article explores the history of Mexican migration to the United States and shows that the Bracero program was crucial in setting the stage for current immigration issues.

Brian Matthew Jordan, class of 2009, contributed “Davis’s and Lincoln’s Inaugural Addresses” to the Gale Library Of American Life: American Civil War, edited by Steven E. Woodworth. Jordan’s entry (2:144-147) traces the choir of reactions to both of Lincoln’s inaugural speeches and the inaugural address of Confederate president Jefferson Davis. The Gale Library Of American Life: American Civil War was published by Gale-Cengage Learning, 2008.

Alvaro Kaempfer, Assistant Professor of Spanish, published “El Atlantico y la reinvenzione de lo humano en las SILVAS AMERICANAS (1823-1826) de Andrés Bello” in Naveg@america: Revista electrónica de la asociación de Americanistas españoles, Vol. 1 (2008): 1-10. The article focuses on the construction of postcolonial Latin America. Andrés Bello’s Silvas Americanas went back to the founding grain of the West to find a connection between history and poetry able to guide the re-creation of a new Occident in the Americas. The article can be accessed online at http://www.um.es/ojs/index.php/navegamerica/issue/current.

John Kovaleski, Adjunct Instructor of Visual Arts, published a graphic novella about four talking toys and the clashing of their personalities titled Jack N. Box and a collection of the comic strip “Bo Nanas” titled APPEELING: The Best Of Bo Nanas. Both books were published by Forehead Unlimited in 2008.

Kovaleski also published a series of comic strips in MAD Magazine. “Me, Myself and My Prehensile TailPuppet” appeared in the April 2008 issue on page 37. This particular strip was a monkey-version comic strip about a man and his puppet for MAD’s all-monkey issue. “Me, Myself and My Puppet at the Doctor’s” appeared in the August 2008 issue on page 45, and “Me, Myself and My Puppet at the Diner” appeared in the November 2008 issue on page 39.


Virginia Lea, Associate Professor of Education, published a book titled Undoing whiteness in the classroom: Critical educultural teaching approaches for social justice activism, Peter Lang, 2008. Co-edited with Erma Jean Sims, the book aims to empower the reader to develop the critical consciousness and social activism necessary to the pursuit of social justice and equity and to facilitate these qualities in others. Specifically, the book shows teachers and educational activists how they may use the philosophy and practice of educulturalism to identify and take action to reverse the effects of the hegemony of whiteness as it is manifested in schools and classrooms.

Laurence A. Marschall, W.K.T. Sahm Professor of Physics, and coauthor Stephen P. Maran published “The Moon, the Telescope, and the Birth of the Modern World” in Sky and Telescope, Vol. 117 (2009): 28-33. The article was written to kick off the International Year of Astronomy, which commemorates Galileo’s first use of the telescope in 1609. The authors describe Galileo’s first observations of the moon, explore the significance of these observations, and discuss a bit of what is now known about the universe.


Marvel also published “Assessing the Availability and Allocation of Production Capacity in a Fabrication Facility Through Simulation Modeling: A Case Study” with co-authors Mark Schaub (second author), and Gary Weckman (third) in International Journal of Industrial Engineering – Theory, Applications and Practice, Vol. 15 (2008): 166-175. The article presents a simulation model to confirm the sequencing and scheduling of two classes of products (those produced on a repetitive basis and those produced on a periodic basis) fabricated by a tier two automobile supplier. The model incorporates the logistical
constraints of customer supplied materials, and it also evaluates metrics regarding material availability, transportation efficiencies, product backorders, and interruptions to the production process. The model also provides a planning tool to identify customer service issues and to evaluate the impact of continuous improvement efforts. The article can be accessed online at http://ijietap.utep.edu/ojs/index.php/ijie/issue/view/12/showToc.

**Eric E. Noreen, Assistant Professor of Health Sciences**, and co-authors John M. Berardi (first author) and Peter W.R. Lemon published "Recovery from a cycling time trial is enhanced with carbohydrate-protein supplementation vs. isoenergetic carbohydrate supplementation" in the online Journal of the International Society of Sports Nutrition, Vol. 5 (2008). The authors compare the effects of a protein plus carbohydrate with a carbohydrate only recovery beverage on subsequent exercise performance in trained cyclists and find that the protein plus carbohydrate beverage significantly improved exercise performance, increased fat oxidation during the exercise bout, and increased several positive markers of mood. The article can be accessed at http://www.jissn.com/content/5/1/24.

**Heather Odle-Dusseau, Assistant Professor of Management**, published “Work-Life Balance: Individual and Organizational Strategies and Practices” in The Oxford Handbook of Organizational Well-Being, edited by Susan Cartwright and Cary L. Cooper, Oxford University Press, 2009. Co-authored with Steven Poelmans (first author) and Barbara Beham (third author), the chapter (pages 181-213) begins by describing recent trends that have directly affected work-life interactions and considers work-life policies and strategies that may allow for reductions in conflict and promotion of enrichment.

**Monica Ogra, Assistant Professor of Environmental Studies and Globalization Studies**, published “Compensating Human-Wildlife Conflict in Protected Area Communities: ‘Ground-level’ perspectives from Uttarakhand, India” in Human Ecology, Vol. 36 (2008): 717-729. Written with co-author Ruchi Badola, the article examines participation in economic compensation programs for losses due to conflict with wildlife in areas surrounding a national park in India.


**Rutherford V. Platt, Assistant Professor of Environmental Studies**, published “Have forests really become denser? An object-oriented case study of a key premise in wildfire policy” in Conference Proceedings, GEOBIA 2008 Pixels, Objects, Intelligence: Geographic Object Based Image Analysis for the 21st Century, edited by Dr. Geoffrey Hay, et al. Platt and co-author Tania Schoennagel use object-oriented image analysis to extract trees from historical orthorectified images of the Front Range of Colorado. The results indicate that tree density has primarily increased at the lowest elevations and on south facing slopes. This result runs contrary to the assumptions of some fire managers, who believe tree density has increased across the entire range of ponderosa pine in the west.
Platt, with co-authors T.T. Veblen and R.L. Sherriff, published “A Spatial Model of Mechanical Thinning Location and Forest Management Outcomes in the Wildland-Urban Interface” in *Natural Hazards Review*, Vol. X (2008): 199-208. The article describes a spatial modeling framework that can be used to evaluate the appropriateness of forest policies under alternative assumptions about weather and historical fire regimes.

Jonelle Pool, Associate Professor of Education, with co-author Molly Gale, class of 2005, published their paper “Using Authentic Assessments with Preservice Teachers” in *Proceedings of the Hawaii International Conference on Education*, (2008). The paper (pages 4880-4899) describes a project to provide preservice teachers with authentic opportunities to work with secondary students’ reading and writing samples and considers the project’s implications for teacher preparation.

Dave Powell, Assistant Professor of Education, published “Hedging Our Bets? Now, More Than Ever, is the Time to be Vigilant About Improving Teaching Preparation” in *Teachers College Record*, November 4, 2008. Powell argues that America should not use the recent meltdown on Wall Street as a warrant to rush career professionals from other fields into teaching. Powell proposes that, instead, leaders should use this time as an opportunity to re-evaluate the role that programs and schools of education can play in preparing outstanding teachers. The article can be accessed at http://www.tcrecord.org/Content.asp?ContentId=15430.


Powers also published *Kites Over the Mango Tree: Restoring Harmony Between Hindus and Muslims in Gujarat* on Praeger (2008). The culmination of three years of research on peace-building organizations in Gujarat, India, the book also details the early history of that state and the funding of Hindu nationalism by Hindus living abroad.

John Pursell, Adjunct Assistant Professor of Music in the Sunderman Conservatory of Music, published “Six Advanced Leadership Ideas for the School Music Director” in *Maryland Music Educator*, Vol. 55 (2008): 44-45. Pursell describes ideas about leadership he developed during his 21-year military career and considers how these ideas could be applied by the school music director.

Richard Reitsma, Visiting Assistant Professor of Spanish and Latin American Studies, contributed to *The Encyclopedia of Latin American History and Culture*, 2nd edition, edited by Jay Kinsbruner and published by Charles Scribner’s Sons, 2008. The article, titled “Homosexuality and Lesbianism: Colonial Period,” briefly explores the history of homosexuality and lesbianism in Latin America from the pre-Conquest through to the era of revolutions in the 1800’s.

Marta Robertson, Associate Professor of Musicology in the Sunderman Conservatory of Music and Coordinator of Inter-Disciplinary Studies, released a CD titled *Crossroads/Encrucijadas*. The debut album for the Zorzal Music Ensemble, the music was directed by Lynn Gumert and features guest artist Timothy Sestrick, Music Librarian in the Sunderman Conservatory of Music. *Crossroads/Encrucijadas* showcases vocal and instrumental music of Spain and Latin America from the 12th century to the present. The CD was produced by Tina Chancey of Hesperus with Paul Bensel as recording engineer. The album also features design by Kathryn Brautigam, Printing Services Coordinator, and a logo by Terry Ann Hayes, class of 2007.


Stephanie A. Sellers, Adjunct Assistant Professor of Women’s Studies and English, published the poem “Long Distance Gifts for Paula Gunn Allen” in *American Indian Culture & Research Journal*, Vol. 32 (2008): 154. This edition of the journal, which is published by the American Indian Center at the University of California, Los Angeles, is dedicated to the life and work of Native American writer and scholar Paula Gunn Allen.


Stephen M. Siviy, Professor of Psychology, published “Effects of pre-pubertal social experiences on the responsiveness of juvenile rats to predator odors” in *Neuroscience and Biobehavioral Reviews*, Vol. 32 (2008): 1249-1258. The article describes the extent to which social variables can modulate the fear associated with a predator cue in juvenile rats and presents findings that suggest that positive social cues may help young animals cope with stressors such as the threat of predation.


Deborah Sommer, Associate Professor and Chair of Religion, published “Boundaries of the Ti Body” in *Asia Major*, Vol. 21 (2008): 293-324. An exploration of conceptualizations of the human body found in classical Chinese texts in the 3rd century BCE, this article appears in a festschrift issue dedicated to Nathan Sivin, a sinologist noted for his work on the history of Chinese medicine. *Asia Major* is published at the Institute of History and Philology, Academia Sinica, Taiwan.
Divonna Stebick, Lecturer in Education, published “Informational Overload in Content Area Reading: A Professional Development Plan for Middle and High School Teachers” in *Journal of Content Area Reading*, Vol. 7 (2008): 87-114. The author describes a professional development process in which teachers across all content areas – not just English – instructed students to read effectively in all subject areas.


Michael Strickland, Assistant Professor of Physics, and co-authors A. Rebhan and M. Attems published “Instabilities of an anisotropically expanding non-Abelian plasma: 1D+3V discretized hard-loop simulations” in *Phys. Rev. D* 78, 045023 (2008). Strickland and collaborators present results of numerical solution of the dynamical equations which govern the evolution of non-abelian plasma instabilities. These instabilities are generated due to the intrinsic expansion of a quark-gluon plasma as generated in an ultra-relativistic heavy-ion collision. The results show that these instabilities can restore plasma isotropy within time on the order of $10^{\text{-23}}$ seconds and also generate a thermal spectrum for the plasma modes.


Strickland and Martinez also published “Pre-equilibrium dilepton production from an anisotropic quark-gluon plasma” in *Phys. Rev. C* 78, 034917 (2008). The authors present calculations of the effect of pre-equilibrium emission of high-energy dileptons from a quark-gluon plasma generated during an ultra-relativistic heavy-ion collision. The results demonstrate that it is possible to experimentally determine information about the pre-equilibrium phase of the plasma’s lifetime by precisely measuring the dilepton pair transverse-momentum spectrum at high energies. In addition, the work introduced new, simple, dynamical models which can be applied to a variety of pre-equilibrium observables. The article can be accessed at http://dx.doi.org/10.1103/PhysRevC.78.034917.

Strickland, with co-authors B. Schenke, A. Dumitru, and Y. Nara, published “QGP collective effects and jet transport,” *J. Phys. G: Nucl. Part. Phys.* 35 104109 (2008). The authors present results of numerical simulations of high-energy jet transport through equilibrium and non-equilibrium non-abelian plasmas and demonstrate that it is possible to extract a continuum result for the jet momentum-space diffusion and energy loss from simulations using finite lattice spacing.

Linda Underhill, Visiting Assistant Professor of English, published *The Way of the Woods: Journeys to American Forests* on Oregon State University Press, 2009. In it, Underhill describes her exploration of well-known forests and ordinary woodlands. The personal narratives Underhill relates underscore the importance of preserving old growth
and wildlife habitat, the significance of urban forests, the role of fire in the regeneration of forests, and the ways that forests and woodlands provide people with a sense of the sacred and with the intangible quality of inspiration.

Amy Elizabeth Young, Assistant Professor of Sociology, published “Islamism and Family Law Reform in Morocco and Jordan” in Mediterranean Politics, Vol. 13 (2008): 333-52. The article was co-authored with Janine A. Clark.

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**REVIEWS**

Darren Glass, Assistant Professor of Mathematics, reviewed Leonard Susskind’s *The Black Hole War: My Battle With Stephen Hawking To Make The World Safe For Quantum Mechanics* in MAA ONLINE. The article is available at http://mathdl.maa.org/mathDL/19/?pa=reviews&sa=viewBook&bookId=69214.


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**PROFESSIONAL PAPERS AND PRESENTATIONS**

Bela Bajnok, Professor and Chair of Mathematics, gave an invited presentation at The George Washington University, Washington, DC, October 8, 2008, titled “Questions (and a few answers) in additive number theory and combinatorial geometry.”

Temma Berg, Professor of English, presented “Truly Yours: Arranging a Letter Collection” as an invited speaker at “I remain, &c.1 or, Addressing the Eighteenth-Century Letter,” a conference held at St. Edmund Hall, University of Oxford, England, September 11-12, 2008. The paper described the different theoretical and practical decisions that went into the process of arranging and annotating (or not annotating) the letter collection that served as the basis of Berg’s monograph *The Lives and Letters of an Eighteenth Century Circle of Acquaintance*.

Dylan Bloy, Visiting Assistant Professor of Classics, presented “A Reinterpretation of the Monument of L. Aemilius Paullus at Delphi” at the Archaeological Institute of America Annual Meeting held in Philadelphia, PA, January 9, 2009. In his analysis of the continuous sculpted frieze from the pillar dedicated by Lucius Aemilius Paullus at Delphi after the battle of Pydna in 168 BCE, Bloy found that the sculptor used different depths to distinguish layers in which separate encounters occur, thus allowing for a more confident identification of the figures based upon outfit. In identifying Macedonian casualties on
each face of the frieze, Bloy showed that the frieze depicts an unequivocal Roman rout. The frieze, entirely Greek in style, and the inscription, entirely Roman, unite in expressing Roman military dominance and cultural appropriation.

**Philip Bobko, Professor of Management and affiliate in Psychology**, presented two papers at the annual meeting of the Academy of Management held in Anaheim, CA, August 8-13, 2008. The papers, both co-authored with P. Roth and M. Buster, were titled “Applicant Black-White differences on situational judgment tests: They may be surprising” and “Trainability tests and Black-White differences: Literature limitations and empirical results.”

**Robert Bohrer, Associate Professor and Chair of Political Science**, and co-author Stephanie A. Slocum-Schaffer presented “Power Points: The Role of Institutional Structures in Mediating the Influence of Women’s Representation on Policy Outcomes” at the annual meeting of the Southern Political Science Association, New Orleans, LA, January 8, 2009. The authors examined the intersection of women’s access to political power and the influence that female politicians exert. In their analysis of policy outcomes in 19 post-industrial systems, they found that the combination of access and influence (e.g., a strong executive with women in the cabinet, despite relatively low levels of women’s representation in parliament) is a better indicator of women’s influence than simply the number of women represented in a given institution. Bohrer also served as chair of the panel at which the paper was presented.

**William Bowman, Professor of History**, presented “Anna Coreth’s *Pietas Austriaca*: Religious Culture and Politics in the Habsburg Empire” at the American Historical Association Annual Meeting, New York, NY, January 3, 2009. The paper provided an overview of a text translated by Bowman and published by Purdue University Press in 2004. The paper discussed the religious-political ideology of the Habsburg rulers from the late medieval period to the early twentieth century. Bowman’s presentation was part of a panel discussion on the 50th anniversary of the publication of Anna Coreth’s *Pietas Austriaca*.

**Josef Brandauer, Assistant Professor of Health Sciences**, with co-authors Lydia W.S. Finley and Laurie J. Goodyear, presented a poster titled “Fiber-type specific expression and aging-related decline of skeletal muscle” at Integrative Biology of Exercise V, a conference sponsored by the American Physiological Society and held in Hilton Head, SC, on September 26, 2008. The poster presented novel data on the potential significance of a molecule regulating the aging process in skeletal muscle.

**Beth M. Campbell Hetrick, Assistant Professor of Mathematics**, presented “Continuous Dependence on modeling for nonlinear ill-posed problems” with co-author Rhonda Hughes at the Southeastern Meeting of the American Mathematical Society held at the University of Alabama, Huntsville, October 26, 2008. In this paper, presented at a Special Session on Applications of Partial Differential Equations and Ordinary Differential Equations (in honor of Karen Ames), the authors prove that the solution to an ill-posed problem, if it exists, depends continuously on the solution to a corresponding approximate well-posed problem.
Ralph Cavaliere, Graff Professor of Biology, and co-author Hanna Szczepanowska presented a poster titled “New Molds in Old Tombs: The Burial Chambers of Tutankhamun and Khufu” at the 14th International Biodeterioration and Biodegradation Symposium held in Messina, Italy, on October 6-11, 2008. In their investigation of fungal infestation in two ancient Egyptian tombs, the authors isolated, cultured, and produced electron microscopic images of over 15 species of mold which have established residency there. The poster offered several comparisons between the two habitats, discussed reasons for the infestations, and considered various methods that have been proposed for the removal of the mold.

John A. Commi o, Professor of Environmental Studies, and Allison M. Vissichelli, class of 2008, presented a poster titled “Positive Feedback and Self-Organization in a Soft-Bottom System” at the Benthic Ecology Meetings held April 11, 2008, in Providence, RI. The presentation provided the first experimental evidence from the field that mussel recruitment is greater onto so-called mussel bed biogenic structure than onto other forms of seafloor substrate. This type of small-scale positive recruitment feedback is likely to result in the large-scale power-law spatial patterns observed for mussels and other seafloor organisms. The removal of this biogenic structure by dredging and trawling may have disastrous consequences for marine populations.

Comm i o, with first author Ann E. Commi o, Associate Professor of Mathematics, Frederick Community College, presented “A Simple Complexity: The Self-Organization of Mussel Beds” at the American Mathematical Association of Two-Year Colleges meeting held in Washington, DC, on November 20, 2008. The presentation focused on the authors’ lattice model of mussel bed spatial dynamics. It showed that a simple computer model with only two “rules” produces complex spatial patterns in time and space. The patterns match empirical results obtained from the authors’ laboratory and field experiments in coastal Maine.

Felicia Else, Assistant Professor of Art History, presented a paper at the Provo/ Athens Italian Renaissance Sculpture Conference held in Memphis, TN, on October 30, 2008. Titled “Horses of a Different Color: Marmo mischio and Ammannati’s Remarkable Chariot of Neptune,” the paper presented new observations of the horses sculpted by the sixteenth-century sculptor Ammannati on the Neptune Fountain in Florence. Else also discussed the iconography of the four horse chariot and the influence of Tuscany’s developing quarrying industry on the construction of the fountain and other major building projects commissioned by the Medici Grandukes in Florence.

Kathleen Iannello, Associate Professor of Political Science, presented “No Win: Hillary, Gender and The Press” with coauthors Lindsay Souza, class of 2009, and Colleen Weldon, class of 2008, at the Northeastern Political Science Association meeting held in Boston, MA, on November 14, 2008. The paper discussed negative coverage of Clinton in the 2008 primaries and called into question the value of content analysis as a tool for stimulating fair and balanced coverage in the mainstream media. The paper also considered the unstudied effects of the treatment of candidates by blogs, YouTube, and other Internet news sources.

Laurence A. Marschall, W.K.T. Sahm Professor of Physics, presented a poster at the American Astronomical Society Annual Meeting held in Long Beach, CA, January
4-9, 2009. Co-authored with Jan Paul Dabrowski (first author) and Glenn Snyder, Research Associate in Physics (second author), the poster was titled “Roemer Redux: A Virtual Observational Exercise on Jupiter’s Moons and the Speed of Light from Project CLEA.” The authors describe a new computer-based laboratory exercise which allows students to replicate Ole Roemer’s experiment of 1676, which determined the speed of light by timing eclipses of Jupiter’s closest large moon, Io. Project CLEA (Contemporary Laboratory Experiences In Astronomy) is a Gettysburg College Department of Physics program that develops laboratory exercises that illustrate modern astronomical techniques using digital data and color images.

Jacquelynne Milingo, Assistant Professor of Physics, presented a poster titled “Do Planetary Nebula Progenitor Stars Affect the Chemical Evolution of Alpha Elements?” at the American Astronomical Society Annual Meeting held in Long Beach, CA, January 4-9, 2009. Co-authored with R.B.C. Henry, K.B. Kwitter, and S.P. Souza, the poster presented the latest results from Milingo’s planetary nebula chemical abundance work.

Salma Monani, Assistant Professor of Environmental Studies, presented “On The Shoulders of Rachel Carson: Echoes of a Silent Spring in An Inconvenient Truth” at the Film and History Conference held in Chicago, IL, October 30-November 2, 2008. In exploring the connections between the film and Rachel Carson’s 1962 book, Monani argued that the works seek not to challenge their audiences’ fundamental worldview of economic and technological progress but to redirect this faith into other modes of consumption and production. The paper questioned the extent to which this sort of rhetoric can lead to long-term environmental sustainability.

Kenneth Mott, Professor of Political Science, and Madeline Shepherd, class of 2009, presented a paper at the Northeast Political Science Association meeting held in Boston, MA, November 13, 2008. Titled “Intelligent Design in the Public Schools,” the paper analyzed the recent Dover, PA case, Kitzmiller v. Dover Area School District, a challenge to the inclusion of Intelligent Design in the public school science curriculum.

Joanne E. Myers, Assistant Professor of English, presented “A Strange Public: Imagining Strangers in the Early Eighteenth Century” at the East-Central Chapter of the American Society for Eighteenth-Century Studies meeting at Georgetown University, Washington, DC, on November 8, 2008.

Jonelle Pool, Associate Professor of Education, with second author Charles Dittrich, Visiting Instructor of Education, and third author Kenneth Pool, Executive Director of the Leonard Bernstein Center for Learning, presented a paper titled “Exploring Multiple Intelligence Theory through Arts Integration” at the National Social Science Association held in Albuquerque, NM, October 21, 2008. The paper presented an arts-based experience to model and measure the impact of cross-disciplinary pedagogy on preservice teachers’ instructional choices and content learning.

At the Hawaii International Conference on Education held in Honolulu, HI, on January 5, 2009, Jonelle Pool (first author), Kenneth Pool (second author), and Charles Dittrich presented “Imagining Innovative Curriculum Designs.” The authors described a pilot study of teacher and student responses to the Artful Learning model articulated by the Leonard Bernstein Center for Learning and presented findings that support the value of
arts-based instruction for enhancing both teaching and learning. The paper concluded by discussing the challenges and benefits of assessing arts-based contributions to teaching and learning.

Dave Powell, Assistant Professor of Education, presented “Learning from Young Adolescents” with coauthors Hilary Conklin, Jason Ritter, and Todd Hawley at the College and University Faculty Assembly of the National Council for the Social Studies held in Houston, TX, November 2008. The paper reported on a year-long investigation of the views teacher candidates hold of the intellectual capabilities of middle school aged adolescent students.

Deborah Rapuano, Assistant Professor of Sociology, presented a paper at the American Sociological Association Annual Meeting in Boston, MA, August 1 - 4, 2008. The paper, co-authored with Jessica Fernandez, class of 2008, and titled “Negotiating Cultural Identity: A case study of tourist and local interaction in County Clare, Ireland,” explores the ways in which tourists and locals interact to construct differing definitions of Irishness. The authors find that the indigenous cultural production and tourist consumption of pub sessions play a vital role in the construction and maintenance of Irish and Irish American identity.

Richard Reitsma, Visiting Assistant Professor of Spanish and Latin American Studies, presented a paper titled “Whoring for a Living: Caliban in Exile: Cubans in Spain in the Spanish Film Things I Left in Havana” at the European Film Conference held at University of Texas at San Antonio, on September 8, 2008. Reitsma analyzed the representation of illegal Cuban immigrants in Spain through an exploration of the film’s language, sex, and imagery.

Reitsma also presented “Just a Phase: Queer (In)tolerance in Children’s Animated Films” at Masculinities, Femininities, and More: An Interdisciplinary Conference on Gender in the Humanities held at the University of West Georgia, Carrolton GA, November 6-8, 2008. In the paper, Reitsma, who also chaired the session, analyzed the negative manner in which queer characters in children’s animated film are depicted.

Stephanie A. Sellers, Adjunct Assistant Professor of Women’s Studies and English, gave a paper titled “Indigenous Historic Roots at Seneca Falls 1848 Convention” at the First Biennial Seneca Falls Dialogues Conference held in Seneca Falls, NY, October 11, 2008. Sellers showed how early feminist theory was informed by the social structures of the Haudenosaunee (Iroquois) Confederacy.

Sellers gave a talk on November 6, 2008, at Georgian Court University, Lakewood, NJ, for the community’s Native American History Month and Earth Awareness Week. The title of her lecture was “Before Columbus and Here Today: Native American Environmental Ethics and Contemporary Eco-Feminism.”

Megan Adamson Sijapati, Assistant Professor of Religion, presented “The National Muslim Forum Nepal and a Nepali Muslim ‘Nation’” at the 37th Annual Conference on South Asia held in Madison, WI, October 17-19, 2008. Her paper examined contemporary discursive formations of Nepali Muslim identity.
Sijapati also presented “Experiences of Conflict and Formations of a Muslim Minority Nation” at the American Academy of Religion Annual Conference held in Chicago, IL, November 1-3, 2008. The paper discussed the first nationwide Muslim organization in the Hindu majority state of Nepal and considered its formation as a response to experiences of violence and social conflict.

Stephen M. Siviy, Professor of Psychology, presented a paper titled “Some playful musings on the playful nature of the mammalian brain” at the First Annual Conference on the State of Play Science at Stanford University in Palo Alto, CA, on October 31, 2008. Siviy was one of four speakers invited to present a neurobiological perspective on the study of play behavior.

Siviy also presented a poster titled “Effects of benzodiazepines on predator odor-induced reductions of playfulness in juvenile rats” at the Annual Meeting of the Society for Neuroscience in Washington, DC, on November 15, 2008. The poster was co-authored with Courtney L. Steets, class of 2009, and Lauren M. DeBrouse, class of 2009. The authors described a series of studies that showed that the benzodiazepine chlordiazepoxide (Librium®) alters the defensive strategy used by juvenile rats when exposed to a predator threat.

Carolyn S. Snively, Professor of Classics, presented a paper entitled “Golemo Gradište at Konjuh: an Unidentified Late Antique City” at the 15th International Congress of Christian Archaeology, in Toledo, Spain, September 8-12, 2008. The paper presented hypotheses about the urban layout of the city and summarized recent discoveries at the site, including the Christian church whose apse was revealed during the 2008 season.

Snively also presented a paper titled “The Anonymous City at Golemo Gradište, Konjuh: Another Model for Late Antique Urbanism in the Balkans” at the 34th Annual Byzantine Studies Conference at Rutgers University, New Brunswick, NJ, October 16-19, 2008. Snively discussed the present hypothesis that the city was built in the 5th century as the administrative center of a mining region and considered the significance of the recently discovered church.


Deborah Sommer, Associate Professor and Chair of Religion, presented the paper “Recent Studies of Premodern Chinese Law in the West” at the conference 中國傳統司法在西方之情況 (International Conference on Chinese Legal Practice and Judicial Traditions). Convened in Chongqing at the Southwest University of Political Science and Law on October 23-24, 2008, the conference was co-sponsored by the Chinese Association of Legal History and the Northwest University of Political Science and Law (Xi’an). The paper was published informally in the conference proceedings. Sommer also presented the paper “Western Approaches to Zhu Xi” at the international conference 宋代新儒學的精神世界：以朱子為
Divonna Stebick, Lecturer in Education, presented “A Case Study Investigating the Implications of Change as Instructional Leaders Implement IDEIA’s Response to Intervention Policy” during an academic residency at Union Institute and University, Cincinnati, OH, on January 3, 2009. Stebick analyzed the experience of critical stakeholders in a rural school in a central Pennsylvania district responding to the mandates of the Individuals with Disability Education Act (IDEIA).

Stebick also presented ”Reflective Blogging to Think More Like a Reading Teacher” at the College Reading Association meeting in Sarasota, FL, November 7, 2008. Stebick shared the critical elements of constructivism, online collaboration, and comprehensive literacy instruction to scaffold pre-service teachers’ transformation into reading teachers.

——— PROFESSIONAL ACTIVITY ———

Christine Ameduri, Assistant Archivist, Special Collections, Musselman Library, in a project funded by a Research and Professional Development Grant, studied for two weeks with professional bookbinder and conservator Mary Wootton in Gettysburg, PA, in January 2009.

Matthew H. Amster, Associate Professor of Anthropology, participated in a roundtable session on Audience Reception of Ethnographic Film sponsored by the Society for Visual Anthropology at the American Anthropological Association annual meeting, San Francisco, CA, November 22, 2008. Amster spoke about his experiences using feature films in his First Year Seminar to teach about issues of indigenous representation. His talk was part of a broader conversation on the ways the contemporary “media ecology” shape students’ ideas about indigenous peoples and ethnographic film more generally.

Bela Bajnok, Professor and Chair of Mathematics, served as an external reviewer of the Mathematics Department at Occidental College, Los Angeles, CA, on October 27-28, 2008.

Bajnok participated in a panel titled Advising Graduate Students and Senior Projects at The Annual Joint Mathematics Meetings, Washington, DC, January 7, 2009. Bajnok talked about Gettysburg College’s mathematics research courses.

Joel Berg, Adjunct Instructor of Interdisciplinary Studies, participated in a roundtable discussion on the role of technology in the 2008 presidential campaign. At the discussion, sponsored by the Center for American Progress and held on November 20, 2008, in Washington, DC, Berg represented the magazine Politics (formerly Campaigns and Elections).

Mark Hopkins, Assistant Professor of Economics, appeared on the WITF Harrisburg TV program “Smart Talk” on October 3, 2008, discussing the financial crisis and the economic outlook. On November 10, 2008, Hopkins did a 30 minute interview for WGET/WGTY radio on the economic implications of the outcome of the U.S. Presidential election.
Virginia Lea, Associate Professor of Education, participated in two interactive symposia at the National Association for Multicultural Education conference held November 12-16, 2008, in New Orleans, LA. The first, titled “Undoing whiteness in the classroom: Critical educultural approaches for social justice activism” featured the research of Lea and other authors in a 2008 book by Peter Lang and explores the application of “educulturalism” to identify and take action to address the hegemony of whiteness as it is manifested in schools and classrooms. Participating with Lea were Erma Jean Sims, Roberta Alquist, Ann Berlak, Rosa Furumoto, and Karen McGarry. Lea’s second symposium was titled “How Hyper-Accountability and Deficit Discourse Subvert Education: Critical Multicultural Voices for Justice Activism.” Lea and co-participants Roberta Ahlquist, Ann Berlak, and Theresa Montano shared research on the ways in which current hyper-accountability and deficit discourse measures are subverting the educational process, and they proposed socially just solutions to counter the hyper-accountability mandates.

Nadine Meyer, Assistant Professor of English, served as a preliminary judge in the fall of 2008 for two national book awards, the Kate and Kingsley Tufts Awards in Poetry, which award winners with $10,000 and $100,000 respectively.

Deborah Sommer, Associate Professor and Chair of Religion, served as a panelist for the National Endowment for the Humanities (NEH) Division of Research Programs, October 2008. She evaluated grant applications in the areas of philosophy and religion for the NEH’s new Teaching Development Fellowships, which support undergraduate curricular course development.

AWARDS

Kim Dana Kupperman, Managing Editor of The Gettysburg Review, received a 2009 Fellowship in Literature from the Pennsylvania Council on the Arts. The fellowship, awarded in the area of creative nonfiction, supports creative work and artistic development.

Virginia Lea, Associate Professor of Education, was awarded the title of Professor Emeritus by Sonoma State University in the fall of 2008.

CREATIVE ACTIVITIES

Christopher Kauffman, Assistant Professor of Theatre Arts, performed an original work, Nharcolepsy, at the Revolutions International Theatre Festival, hosted by the University of New Mexico, Albuquerque, NM, January 22-25, 2009. His play, which he co-wrote, was selected alongside performance groups from Israel, Poland, and Los Angeles. The festival is profiled in the January 2009 edition of American Theatre magazine.

Nadine Meyer, Assistant Professor of English, gave a poetry reading at Queens College, CUNY, in New York, NY, on November 12, 2008.

Peter Morgan, Adjunct Assistant Professor of Visual Arts, was featured in a group show titled “Dead Spaces,” which consisted of works from multiple exhibitions organized by defunct art galleries from Oakland, CA. The show was in October 2008, at the LoBot Gallery, Oakland, CA.
Morgan’s work also appeared at the Kolva-Sullivan Gallery, Spokane, WA, in October 2008, as part of a group exhibition featuring the work of resident artists from the Archie Bray Foundation in Helena, MT.

Morgan’s large scale dodo birds and palm trees were featured in the White Plains Public Library show titled “Tell Me a Story,” curated by Kathy Masterson. The show was part of a Westchester Arts Council county-wide event called All Fired Up, which consisted of over 60 exhibitions of ceramic art on view throughout Westchester County, NY, October and November 2008.

Kathleen Sasnett, Assistant Professor of Voice and Opera in the Sunderman Conservatory of Music, soprano, and Scott Crowne, Adjunct Assistant Professor in the Sunderman Conservatory of Music, piano, performed a faculty recital entitled \textit{Songs of Life and Death, A Spiritual Journey} in Christ Chapel on September 23, 2008. Featured selections included Richard Strauss’ \textit{Vier letzte Lieder}, Douglas Moore’s \textit{Three Holy Sonnets}, and music by Bach, Bernstein, Caccini, and Mallette. Guest artists included Andrew Dean, oboe; Yeon-Su Kim, Visiting Assistant Professor in the Sunderman Conservatory of Music, violin; Lexie Grant, class of 2011, violin; Anne Lagace, class of 2010, viola; and Jeff Mayer, cello.

Sasnett performed as the soprano in a special tribute concert sponsored by Music, Gettysburg! entitled \textit{A Festival of Hymns by Herman G. Stuempfle, Jr.} on November 21, 2008, in the Lutheran Theological Seminary. Others on the program included Wayne Hill, baritone, Jeffrey Fahnestock, Adjunct Assistant Professor in the Sunderman Conservatory of Music, tenor; Megan Snyder, class of 2009, alto; Michael Matsinko, Professor Emeritus of Music, piano; Peter Johnston, trumpet; and Gerald Christianson, narrator.

Sasnett served as the Director of the Sunderman Opera Studio in its second annual production sponsored by the ALS (Lou Gehrig’s Disease) Hope Foundation of Philadelphia. The event, performed at the Waterford Ballroom in King of Prussia, PA, on November 23, 2008, included the Pennsylvania premiere of Dan Shore’s comic chamber opera \textit{The Beautiful Bridegroom}. This fully staged and costumed performance featured Valerie Borgstrom, class of 2012; Sara Smigen, class of 2012; Sarah Swann, class of 2011; Rebecca Brandow, class of 2010; Elizabeth Patterson, class of 2010; and Allison Mion, class of 2012, singing in the opera, as well as giving a concert of arias and Broadway show tunes for the second half. Scott Crowne, Adjunct Assistant Professor in the Sunderman Conservatory of Music, piano, was the accompanist, and Leah Crowne, Adjunct Instructor in the Sunderman Conservatory of Music, voice, was Assistant Director.

Sasnett was invited to perform at a gala evening honoring Dr. Donald E. Killelea, sponsored by the Natchez Opera and Festival of Music in Natchez, MS, on December 5, 2008. The musical program included operatic arias and Broadway show tunes and also featured Canada baritone Wayne Line, Washington tenor James Moore, California mezzo-soprano Erin Murphy, and Connecticut pianist Donna Schaffer.

Sasnett was vocal director for the Gettysburg College Department of Theatre Arts and the Sunderman Conservatory of Music collaborative musical theater production.
of Bernstein’s *West Side Story*, presented at the Majestic Theatre in Gettysburg, PA, on November 6-9, 2008. Director was Christopher Kauffman, Assistant Professor of Theater Arts, with choreography by Julie Herber, production design by Jerome O. Hanson, Associate Professor of Theater Arts, costume design by Zenis Goshorn, Professional Customer, Department of Theater Arts, lighting design by Jonathan Stiles, Technical Director, Majestic Theater, and orchestra conducted by John “Buzz” Jones, Professor in the Sunderman Conservatory of Music.
The Faculty Notebook is published periodically by the Office of the Provost at Gettysburg College to bring to the attention of the campus community accomplishments and activities of academic interest. Faculty are encouraged to submit materials for consideration for publication to the Associate Provost for Faculty Development. Copies of this publication are available at the Office of the Provost.

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