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## The Faculty Notebook, April 2014

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# The Faculty Notebook, April 2014

## **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.

## **Keywords**

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

## **Disciplines**

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# The FACULTY Notebook

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## PUBLICATIONS

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**Lidia HwaSoon Anchisi, Associate Professor of Italian Studies**, with student co-author **Luke Cuculis '12**, published "Don't Bring a Gun to a Fistfight: Deconstructing Hegemonic Masculinity Through the Gun in Lina Wertmuller's *Pasqualino Settebellezze*" in *Italian Women Filmmakers and the Gendered Screen*, edited by Maristella Cantini (New York: Palgrave and Macmillan, 2013). This article examines Lina Wertmuller's use of the gun in *Pasqualino Settebellezze* as a means for ridiculing and "emasculating" representations of hegemonic masculinity. A phallic extension of the male body, the gun is traditionally perceived as a glorified symbol of patriarchal authority and order in contemporary western culture; however, in *Pasqualino Settebellezze*, the phallic gun is both disempowered and disempowering through an often comedic yet dark caricature.

**Kurt Andresen, Assistant Professor of Physics**, with co-authors Steven C. Howell, Isabel Jimenez-Useche, Chongli Yuan, and Xiangyun Qiu, published "Elucidating Internucleosome Interactions and the Roles of Histone Tails" in *Biophysical Journal* 105.1 (2013): 194-199. Using x-ray scattering, we looked at the interaction between nucleosomes (the small, hockey puck-shaped molecules that are the way our bodies pack DNA in our cells). We found that they do not interact as strongly as current theories would suggest, and present a new theory that can describe our data.

**Andresen**, with student co-author **John Giannini '12** and co-authors Xiangyun Qiu, Steven C. Howell, Qi Xia, and Ke Fuyou, published "Ion Competition in Condensed DNA Arrays in the Attractive Regime" in *Biophysical Journal* 105.4 (2013): 984-992. DNA is a highly negatively charged biomolecule which determines much of its behavior (and other molecules' interactions with it). We studied the long investigated but poorly understood process of DNA self-attraction and tried to deduce a formula that explains the role of positive ions in this attraction.

**Rimvydas Baltaduonis, Assistant Professor of Economics**, with co-authors Diego Aycinena and Lucas Rentschler, published "Valuation Structure in First-Price and Least-Revenue Auctions: An Experimental Investigation" in *Experimental Economics* 17.1 (2014): 100-128. The paper discusses relative efficiency as well as the prevalence of the "winner's curse" in first-price and least-revenue auctions.

**Abou B. Bamba, Assistant Professor of History and Africana Studies**, published "Transnationalising Decolonisation: The Print Media, American Public Spheres, and France's Imperial Exit in West Africa" in *Journal of Transatlantic Studies* 11.4 (2013): 327-349. This article argues that a number of US public spheres, including various newspapers, contributed to the decolonization saga in French West Africa. Their contribution was carried out through the performative coverage of the colonial situation. Although the French imperial state attempted to hold back the tide of anti-colonial sentiment in the USA through judicious public relations campaigns that targeted American public opinion and policy-makers, its efforts proved largely illusory.

**Emelio Betances, Professor of Sociology**, published “Latinoamerica despues de Chavez: legado y perspectivas” in *Global* 27.5 (2014): 40-48. This article looks at the legacy of Hugo Chavez in Latin American politics, focusing on why Chavez was able to capture the imagination of ordinary Venezuelans, and how he reverted the neoliberal economic policies implemented by his predecessors while promoting participatory democracy.

**Michael Birkner, Professor of History and Benjamin Franklin Professor of Liberal Arts**, published “Sherman Adams’s Fall, and the Scandal Behind the Scandal” in *Scandal! An Interdisciplinary Approach to the Consequences, Outcomes, and Significance of Political Scandals*, edited by Alison Dagnes and Mark Sachleben (New York: Bloomsbury, 2013). This article, part of a larger work in progress on Dwight D. Eisenhower’s right-hand man, offers a fresh interpretation of Sherman Adams’s fall from power in 1958 after revelations of gifts he took from a shady New England businessman. It explores the story that the media missed, the underlying scandal that nearly resulted in Adams’s indictment, and the role Dwight D. Eisenhower played in negotiating with President John F. Kennedy to support an important Kennedy initiative in exchange for quashing criminal proceedings against Adams.

**Birkner** published an article titled “The Wisest Help: Frederick Keppel and his Consultants’ Impact on Australia and New Zealand Libraries” in *Library & Information History* 29.4 (2013): 258-271. This paper examines aspects of the Carnegie Corporation’s philanthropic initiative in Australia and New Zealand, which helped transform the library landscape in those nations, through the lens of Corporation President Frederick Keppel’s interaction with key advisers.

**Birkner** published “Zachary Taylor in Office: Clay, the Whig Party, and the Sectional Crisis” in *A Companion to the Antebellum Presidents 1837-1861*, edited by Joel Silbey (New York: Wiley-Blackwell, 2014). The book collects original essays exploring our historical understanding of the role and legacy of the eight US presidents who served in the significant period between 1837 and the start of the Civil War in 1861.

**Birkner**, with co-editors Donald Linky and Peter Mickulas, published *The Governors of New Jersey: Biographical Essays* (New Brunswick, NJ: Rutgers University Press, 2014). This is a revised and expanded version of a book I first co-edited in 1982. Leading scholars examine the lives of the state’s fifty-five governors, including, in this edition, governors since Brendan Byrne. The book includes a substantive editorial introduction focused on the office of the governor from colonial times to the present.

**Philip Bobko, Professor of Management and Psychology**, with co-author Philip L. Roth, published “Reviewing, Categorizing, and Analyzing the Literature on Black-White Mean Differences for Predictors of Job Performance: Verifying Some Perceptions and Updating/Correcting Others” in *Personnel Psychology* 66.1 (2013): 91-126. This article reviews, collates, and summarizes decades of research on black-white mean differences in predictors of job performance, and considers testing methods as well as test constructs.

**Bobko**, with co-authors Alex J. Barelka and Leanne M. Hirshfield, published “The Construct of State-Level Suspicion: A Model and Research Agenda for Automated and Information Technology (IT) Contexts” in *Human Factors* (2013, online preceding print). The article reports on a review of the research on suspicion across several social sciences. An integrated definition and theoretical model of state suspicion are developed. Potential research efforts and hypotheses are outlined, with emphasis on information technology contexts.

**H. Paul Brown, Visiting Assistant Professor of Classics**, published “Bridges” in *The Encyclopedia of Ancient Greek Language and Linguistics*, edited by Georgios K. Giannakis (Brill Online, 2014). This entry discusses the linguistic (prosodic) features of the Ancient Greek poetic

phenomenon of the metrical “bridge,” a position in a line of verse where a word division is either disallowed or strongly disfavored.

**Abhinandan Chowdhury, Visiting Assistant Professor of Mathematics**, with co-authors Houria Triki and Anjan Biswas, published “Solitary Wave and Shock Wave Solutions of the Variants of Boussinesq Equations” in *University Polytechnic Bucharest Scientific Bulletin Series-A* 75.4 (2013): 39-52. In this work, the solitary wave and the shock wave solutions of the three variants of the Boussinesq equation are obtained. Boussinesq equations are used extensively to study shallow water waves. These results are very important and novel in the context of nonlinear evolution equations.

**Laurel Cohen-Pfister, Associate Professor of German Studies**, published “Claiming the Second World War and Its Lost Generation: *Unsere Mütter, unsere Väter* and the Politics of Emotion” in *Seminar: A Journal of Germanic Studies* 50.1 (2014): 104-123. This article examines the production, promotion, and reception of the German docudrama *Unsere Mütter, unsere Väter* within a politics of emotion familiar to the genre of historical docudrama. Doing so highlights the film’s contribution to memory debates on German victimhood and a “national” memory founded in private, family narratives of wartime suffering.

**John Commito, Professor of Environmental Studies**, with staff co-author **Andrew Wilson, Assistant Professor of Environmental Science**, student co-author **Alyse Yeager ‘12**, and co-authors Deborah Bower and Lin Schwarzkopf, published “Sex, Light, and Sound: Location and Combination of Multiple Attractants Affect Probability of Cane Toad (*Rhinella marina*) Capture” in *Journal of Pest Science* (January 2014, print and online). Cane toads are a poisonous and highly invasive species spreading rapidly throughout Australia. Alyse Yeager, first author on this paper, conducted a field experiment during her study abroad semester to examine the use of lights and mating calls as attractants to trap toads as a method of control. Professors Commito and Wilson worked closely with Alyse on the project design, statistical analysis, and writing. Alyse, formerly an Environmental Studies major, is now a graduate student in Wildlife Ecology.

**Daniel R. DeNicola, Professor of Philosophy**, published “Liberal Education and Moral Education” in *The College Curriculum: A Reader*, edited by Joseph L. DeVitis (New York and Berlin: Peter Lang International Publishers, 2013). This article first appeared in *Character and Moral Education: A Reader*, edited by Joseph L. DeVitis and Tianlong Yu (New York and Berlin: Peter Lang, 2011).

**Lori Beth Dixon, Adjunct Associate Professor of Health Sciences**, with co-authors Brian Elbel, Gary B. Taksler, Tod Mijanovich, and Courtney B. Abrams, published “Promotion of Healthy Eating Through Public Policy: A Controlled Experiment” in *American Journal of Preventive Medicine* 45.1 (2013): 49-55. In a large hospital in New York City, we opened a store and tested whether consumers were more likely to buy “healthy” foods and beverages if they were labeled as such or if comparable “unhealthy” foods and beverages were taxed. Taxation was more effective than labeling.

**Peter Fong, Professor of Biology**, with co-author Alex Ford, published “The Biological Effects of Antidepressants on the Molluscs and Crustaceans: A Review” in *Aquatic Toxicology* 151 (2014): 4-13. Pharmaceuticals like antidepressants are consumed and discharged by humans, and enter rivers, bays, and oceans via wastewater treatment plants. This article reviews the various types of antidepressants, their occurrence and concentrations in aquatic environments, and the actions of neurohormones modulated by antidepressants in the largest groups of aquatic animals, the molluscs and crustaceans.



**Tina Gebhart, Assistant Professor of Art and Art History**, published “TechnoFile: Pyrometric Cone Behavior” in *Ceramics Monthly* 60.4 (2014): 62-63. This article supports the superiority of the pyrometric cone for measuring heat work on ceramic materials during kiln firing. The mechanical process of the cone’s action is described with gardening and athletics metaphors, and material science and chemistry terminologies; the article conceptually locates the cone in a solid solution series of clay-to-glaze.

**Darren Glass, Associate Professor of Mathematics**, published “Frobenius Question Related to Actions on Curves in Character P” in *Glasgow Mathematical Journal* 56.1 (2014): 143-148. This article looks at a question in combinatorial number theory that arises when one considers group actions on algebraic curves in characteristic p.

**Glass** published “Composition of Integers with Bounded Parts” in *Integers* 14 (2014): #A6. Imagine having 100 pieces of candy to split among three children, but with the following restrictions: The oldest child cannot receive more than one-third of the candy; the middle child cannot get more than two-fifths of the candy; and the youngest child cannot get more than two-sevenths of the candy. How many ways are there to split the candy between the three children? Are there more or fewer ways to split 101 pieces with the same restrictions? In this note, we address these questions, and the more general question of counting ordered sets of integers so that no part is more than a fixed portion of the total.

**Glass**, with co-author Criel Merino, published “Critical Groups of Graphs with Dihedral Actions” in *European Journal of Combinatorics* 39 (2014): 95-112. This paper, based on research conducted on my sabbatical at IMATE Oaxaca, looks at the relationship between the symmetry group of a graph and its critical group. In particular, we prove a theorem analogous to a famous result of Kani and Rosen in the setting of algebraic curves.

**Caroline Hartzell, Professor of Political Science**, published “Peacebuilding after Civil War” in *The Routledge Handbook of Civil Wars*, edited by Edward Newman and Karl DeRouen, Jr. (London: Routledge, 2014).

This book chapter provides an assessment of current theories regarding peacebuilding efforts following civil war, evaluates UN peacebuilding efforts over the past 20 years, and offers suggestions regarding future research on this topic.

**Hartzell** published “Mixed Motives? Explaining the Decision to Integrate Militaries at Civil War’s End” in *New Armies from Old: Merging Competing Military Forces after Civil Wars*, edited by Roy Licklider (Washington DC: Georgetown University Press, 2014). Civil war peace settlements increasingly call for rebel groups and government forces to integrate their troops following the end of a conflict. This chapter tests several models in an effort to account for a number of different potential explanations for this trend.

**Hartzell** published “Nation-State Crises in the Absence and Presence of Segment States: The Case of Nicaragua” in *Ethnopolitics* 13.1 (2014): 28-47. This is one of four case studies to appear in a special issue of the journal, which is edited by Hartzell and Matthew Hoddie. This case study evaluates the degree to which Philip Roeder’s theory linking the creation of segment states within a country’s borders to nation-state crises provides an accurate description of the political dynamics within Nicaragua.

**Julia A. Hendon, Professor of Anthropology**, with co-authors Rosemary A. Joyce and Jeanne Lopiparo, published *Material Relations: The Marriage Figurines of Prehispanic Honduras* (Boulder: University Press of Colorado, 2014). Three-dimensional clay whistles depicting a woman and a man standing side by side and holding hands are part of a long-lived figurine tradition

in Honduras during the seventh to eleventh centuries AD. Drawing on archaeological research by all three authors and on museum collections, this book argues that this particular motif commemorates the desire to establish and maintain social relations among the people living in the villages, towns, and cities in the region.

**Joel Hillison, Adjunct Assistant Professor of Political Science**, published *Burden-Sharing by NATO's Newest Members (Poland, Czech Republic, Hungary, Romania, Estonia, Albania, and Croatia): An Examination of Contributions in the Balkans, Afghanistan, Pakistan and Libya* (Lewiston, NY: The Edwin Mellen Press, 2014). This study presents an innovative perspective addressing a lacuna in the burden-sharing literature concerning the contributions of new members to NATO. At a time when NATO and alliance members are increasingly austerity-minded and security-conscious, this book analyzes current and comprehensive data which suggests that NATO's enlargement does not lead to greater free-riding behavior in NATO, contrary to the prevailing wisdom and previous literature.

**Nathalie Lebon, Associate Professor of Women, Gender, and Sexuality Studies**, published "Taming or Unleashing the Monster of Coalition Work: Professionalization and the Consolidation of Popular Feminism in Brazil" in *Feminist Studies* 39.3 (2013): 759. This article traces the history of cross-class alliances among Brazilian feminists over the last several decades. It hopes to offer insights into how we may "tame" the challenges of constructing coalitions across difference in a changing political environment by examining two cases: Brazil's National Feminist Network for Health, Sexual, and Reproductive Rights, and Brazil's chapter of the World March of Women.

**Jennifer McCary, Assistant Dean of College Life and Director of Student Rights and Responsibilities**, published "A Developmental Approach to Civility and Bystander Intervention" in *Talking about Race: Alleviating the Fear*, edited by Steven Grineski, Julie Landsman, and Robert Simmons III (Sterling, VA: Stylus Publishing, 2013). Students of color experience discrimination every day, in small and large ways, in the classroom and on campus. This book helps teachers and faculty find ways to talk about race in a meaningful way. My chapter focuses on how bystanders can intervene when witnessing microaggression.

**Salma Monani, Assistant Professor of Environmental Studies**, with co-author Miranda Brady, published "ImagineNATIVE 2012: Indigenous Film Festival as Ecocinematic Space" in *Reconstruction: Studies in Contemporary Culture* 13.3-4 (2013, online only). Much scholarship points to how ecological concerns are never far from Indigenous struggles for political sovereignty and public participation. In this paper we turn to the Indigenous film festival as a relatively understudied yet rich site to explore such ecological concerns. Specifically, we highlight the ImagineNATIVE 2013 film festival based in Toronto, Canada.

**James Myers, Professor Emeritus of English**, published "J. Hector St. John de Crevecoeur Niagara: Redefining a Sublime Landmark" in *Pennsylvania History: A Journal of Mid-Atlantic Studies* 81.1 (2014): 1-50. Anticipating the Romantic period's transformation of the terrifying sublime into a transcendent experience of the beautiful, Crevecoeur unexpectedly achieves his new resolution by abruptly transporting the viewing subject to a higher state of perception wherein "our feelings are harmonized into placid contemplation."

**Myers** published "Crevecoeur: Concealing and Revealing the Secret Self" in *Early American Literature* 49 (2014): 357-401. This essay examines various accusations that Crevecoeur spied variously for the British, the Americans, and the French during the American Revolution. It concludes that although he may have been an agent for the French and later for the Americans, his higher dedication was to the Radical Enlightenment's goal of gathering information for its encyclopedic project: in effect, he was Shakespeare's "perfect spy o' th' time."

**Joanne Myers, Assistant Professor of English**, published “Enthusiastic Improvement: Mary Astell and Damaris Masham on Sociability” in *Hypatia* 28.3 (2013): 533-550. This article discusses the philosopher Mary Astell’s use of religious themes in order to show that, although often seen to emphasize the individual, Astell is in fact interested in theorizing forms of sociability and community. I explore how her vision of community emerges in and through the critique levied at her by her contemporary, Damaris Masham, philosopher and patroness of John Locke.

**Myers** published “Catharine Trotter and the Claims of Conscience” in *Tulsa Studies in Women’s Literature* 31.1-2 (2012): 53-75. Catharine Trotter was a dramatist and philosopher active in the late Restoration and early eighteenth century. I explore the ways in which her flirtation with Catholicism affects the representation of conscience in several of her tragedies, arguing that their image of conscience as an external monitor that must curb wayward desires should cause us to reconsider Trotter’s received role as an advocate of Lockean liberalism.

**Heather Odle-Dusseau, Assistant Professor of Management**, with co-authors Hailey A. Herleman, Thomas W. Britt, DeWayne D. Moore, Carl A. Castro, and Dennis McGurk, published “Family-Supportive Work Environments and Employee Outcomes: Testing Casual Change Models with Longitudinal Methods” in *Journal of Occupational Health Psychology* 18.1 (2013): 27-36. Based on the Job Demands-Resources (JDR) model and Conservation of Resources (COR) theory, we tested three competing models that predict different directions of causation for relationships over time between family-supportive work environments (FSWE) and psychological strain, with two waves of data from a military sample. Theoretically, these results are important for the work-family interface in that they demonstrate the application of a systems approach to studying work and family interactions, as support was obtained for both the JDR model with perceptions of FSWE predicting psychological strain (in both the static and change models), and COR theory where psychological strain predicts FSWE across time.

**Monica Ogra, Associate Professor of Environmental Studies**, with co-authors R. Badola and S. Barthwal, published “Ecodevelopment, Gender and Empowerment: Perspectives from India’s Protected Area Communities” in *Global Perspectives on Gender and Space: Engaging Feminism and Development*, edited by Ann M. Oberhauser and Ibipo Johnston-Anumonwo (New York: Routledge, 2014). This chapter is the result of a 10-year collaboration between Ogra and two colleagues from India, in which they analyze gender-related impacts and outcomes of a government-led development initiative for communities living in and around four of the country’s national parks and wildlife sanctuaries.

**Karen Pinto, Assistant Professor of History**, published “Passion and Conflict: Medieval Islamic Views of the West” in *Mapping Medieval Geographies: Geographical Encounters in the Latin West and Beyond, 300-1600*, edited by Keith D. Lilley (Cambridge: Cambridge University Press, 2013). This article analyzes the representation of al-Andalus and North Africa in medieval Islamic maps from the eleventh to the fifteenth centuries. In contrast to other maps of the Mediterranean, which display a veneer of harmony and balance, the image of the Maghrib is by deliberate design one of conflict and confusion; of love and hate; of male vs. female; of desire vs. rejection. This paper interprets and explains the reasons behind the unusual depiction of Andalus and the Maghrib by medieval Islamic cartographers; in addition, it develops a new methodology of interpreting medieval Islamic maps, employing a deconstruction of the forms through an analysis of different levels of gaze. The analysis unfolds into the use of erotic and nostalgic Hispano-Arabic poetry as a lens of interpretation for Islamic maps.

**Rutherford Platt, Associate Professor of Environmental Studies**, with student co-author Jon Walter ‘10, published “Multi-Temporal Analysis Reveals that Predictors of Mountain Pine Beetle Infestation Change during Outbreak Cycles” in *Forest Ecology and Management* 302



(2013): 308-318. This work began as Jon Walter's Honors Thesis in the ES department; after he graduated, we continued to work on the project. The article represents the first step in a new direction for me—investigating how extensive insect infestations in the wildland-urban interface function as a “coupled system” with land management, fire, and exurban development.

**Lisa Portmess, Professor of Philosophy**, with co-author Bassam Romaya, published “Confronting Cyber Warfare: Rethinking the Ethics of Cyber War” in *Journal for Peace and Justice Studies* 23.1 (2013): 44-60. The emergence of sophisticated cyber weapons such as Stuxnet and Flame, and widespread offensive cyber-operations revealed in leaked documents by Edward Snowden, pose challenges not only to international security and civilian infrastructure, but blur the distinction between violence and nonviolence and mute public discourse and resistance. Rethinking cyber war as destabilizing nonviolence reveals the moral ambiguity of cyber weapons and challenges the vantage point of “the responsible actor” in justifying cyber war attacks.

**Chloe Ruff, Assistant Professor of Education**, with co-authors Brett D. Jones and Marie C. Paretti, published “The Impact of Engineering Identification and Stereotypes on Undergraduate Women's Achievement and Persistence in Engineering” in *Social Psychology of Education: An International Journal* 16.3 (2013): 471-493. In this study we used survey data collected from first year undergraduate engineering students examining four factors associated with stereotype threat (engineering identification, gender identification, gender stereotype endorsement, and engineering ability perceptions) to determine how they impacted women's achievement and persistence in engineering at the end of their first year of an engineering program.

**Richard Russell, Assistant Professor of Psychology**, with co-authors Aurélie Porcheron and Emmanuelle Mauger, published “Aspects of Facial Contrast Decrease with Age and Are Cues for Age Perception” in *PLOS ONE* 8.3 (2013): e57985. In this paper we show that a particular kind of contrast decreases with age in adult Caucasian female faces and that people use this contrast as a cue for perceiving how old a person looks.

**Magdalena Sanchez, Associate Professor of History**, published “‘Lord of My Soul’: The Letters of Catalina Micaela, Duchess of Savoy, to her Husband, Carlo Emanuele I” in *Early Modern Habsburg Women: Transnational Contexts, Cultural Conflicts, Dynastic Continuities*, edited by Anne J. Cruz and Maria Galli Stampino (Burlington, VT: Ashgate Publishing, 2013). This essay, part of a book-length project on the Infanta Catalina Micaela, Duchess of Savoy, examines Catalina's relationship with her husband and her reaction to assuming political control in the fall of 1588 during Carlo's first major absence from Turin after their marriage.

**Stephanie A. Sellers, Director of the Women's Center; Adjunct Assistant Professor of English; Women, Gender, and Sexuality Studies; and Interdisciplinary Studies**, published “End of the Universe 12/21/12 for my Father” in *Unraveling the Spreading Cloth of Time: Indigenous Thoughts Concerning the Universe*, edited by MariJo Moore and Trace A. Demeyer (Candler, NC: Renegade Planets Publishing, 2013). This poem and its accompanying introduction address the 2012 EuroAmerican-settler hysteria over their misreading of the Mayan nation's 13th Ba'k'tun (cosmic calendar) expiring. At the core of indigenous cultures is the ethic of continuance, life, and wholeness--not devastation.

**Timothy Shannon, Professor of History**, published *The Seven Years' War in North America: A Brief History with Documents* (Boston: Bedford/St. Martin's Press, 2013). Published in Bedford's American History and Culture series, this book offers a concise history of the Seven Years' War (also known as the French and Indian War), along with 35 selections from primary sources that depict the war from European and Native American perspectives.

**Barbara Sommer, Associate Professor of History**, published “The Amazonian Native Nobility in Late-Colonial Pará” in *Native Brazil: Beyond the Convert and the Cannibal, 1500-1900*, edited by Hal Langfur (Albuquerque: University of New Mexico Press, 2014). Eighteenth-century indigenous leaders in the former missions of Portuguese Amazonia took advantage of political, economic, and social privileges to play essential and dynamic roles in the everyday workings of the colony. Some families maintained their status into the nineteenth century--a continuity that challenges the accepted narrative of Amazonian history, which has long emphasized the decimation of native peoples.

**Sharon Stephenson, Professor of Physics**, published “Doe Dose” in *Shenandoah* 63.2 (2014, online only). This essay explores my fascination with deer, including those who have been exposed to radiation.

**Stephenson** published “Eduard, Sasha and I Go to the Black Sea” in *Referential Magazine* (2014, online only). This is a nerdy essay demonstrating that friendship and science are immune to the lines on maps.

**Eileen Stillwaggon, Professor of Economics**, published “Better Economic Tools for Evaluating Health and Development Investments” in *AIDS* 28.3 (2014): 435-437. The article explains the inefficiencies and inequities that result from standard cost-effectiveness analysis. It proposes analytical methods that take into account the interactions among diseases and between health interventions and other investments for human development.

**Kristin Stuempfle, Professor of Health Sciences**, with co-authors Tamara Hew-Butler and Martin D. Hoffman, published “Bone: An Acute Buffer of Plasma Sodium during Exhaustive Exercise?” in *Hormone and Metabolic Research* 45.10 (2013): 697-700. This paper examined the ability of bone tissue to act as a buffer for maintenance of blood sodium level.

**Stuempfle**, with co-authors Douglas P. Lewis, Martin D. Hoffman, Bethan E. Owen, Ian R. Rogers, Joseph G. Verbalis, and Tamara D. Hew-Butler, published “The Need for Salt: Does a Relationship Exist between Cystic Fibrosis and Exercise-Associated Hyponatremia?” in *Journal of Strength and Conditioning Research* 28.3 (2014): 807-813. Hyponatremia (low blood sodium) is the most common life-threatening electrolyte imbalance during endurance exercise. It has been suggested that carriers of the cystic fibrosis gene lose more sodium in their sweat and therefore are at a higher risk of developing hyponatremia. This study demonstrated that this is not the case.

**Lucas Thompson, Assistant Professor of Chemistry**, with co-authors An-Phong Le, Somi Kang, Stanislav S. Rubakhin, Jonathan V. Sweedler, John A. Rogers, and Ralph G. Nuzzo, published “Quantitative Reflection Imaging of Fixed *Aplysia californica* Pedal Ganglion Neurons on Nanostructured Plasmonic Crystals” in *The Journal of Physical Chemistry B* 117.42 (2013): 13069-13081. Studies of the interactions between cells and surrounding environment, including cell culture surfaces and their responses to distinct chemical and physical cues, are essential to understanding the regulation of cell growth, migration, and differentiation. In this work, we demonstrate the capability of a label-free optical imaging technique, surface plasmon resonance (SPR), to quantitatively investigate the relative thickness of complex biomolecular structures using a nanoimprinted plasmonic crystal and laboratory microscope.

**Baird Tipson, Adjunct Professor of Religious Studies**, published “Seeing the World through Ramist Eyes: The Richardsonian Ramism of Thomas Hooker and Samuel Stone” in *The Seventeenth Century* 28.3 (2013): 275-292. A commitment to Ramism as interpreted by Alexander Richardson caused Thomas Hooker and Samuel Stone, two important first-generation New England ministers, to read the Bible according to their preconceived notions of what it should say. Their Ramism reinforced a commitment to thoroughgoing double-predestination.

**Kerry Wallach, Assistant Professor of German Studies**, published “Weimar Jewish Chic: Jewish Women and Fashion in 1920s Germany” in the book *Fashioning Jews: Clothing, Culture, and Commerce*, edited by Leonard J. Greenspoon (West Lafayette, IN: Purdue University Press, 2013), Volume 24 in the series *Studies in Jewish Civilization*. This chapter examines the uniquely Jewish engagement with fashion and attire in Weimar Germany.

**Kerry Walters, William Bittering Professor of Philosophy**, published *John Paul II: A Short Biography* (Cincinnati, OH: Franciscan Media, 2013), a biography of the man many consider the greatest pope of the twentieth century, and who will be canonized in early 2014.

**Walters** published *John XXIII: A Short Biography* (Cincinnati, OH: Franciscan Media, 2013), a biography of the pope who launched the Second Vatican Council and who will be canonized in early 2014.

**Randall Wilson, Associate Professor of Environmental Studies**, published *America’s Public Lands: From Yellowstone to Smokey Bear and Beyond* (Lanham, MD: Rowman & Littlefield, 2014). How is it that the United States—the country that cherishes the ideal of private property more than any other in the world—has chosen to set aside nearly one-third of its territory as public lands? Considering this intriguing question, Randall K. Wilson traces the often-forgotten ideas of nature that have shaped the evolution of America’s public land system. The result is a fresh and probing account of the most pressing policy and management challenges facing national parks, forests, rangelands, and wildlife refuges today.

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## REVIEWS

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**Darren Glass, Associate Professor of Mathematics**, published a review of the book *Math on Trial: How Numbers Get Used and Abused in the Courtroom* by Leila Schneps and Coralie Colmez (New York: Basic Books, 2013) in *Math Horizons* 21.3 (2014): 25. This is a review, written for students, of a very good popular math book released last year.

**Brian Matthew Jordan, Lecturer in Civil War Era Studies**, published a review of the book *Kennesaw Mountain: Sherman, Johnston, and the Atlanta Campaign* by Earl J. Hess (Durham: University of North Carolina Press, 2013) in *The Journal of the Civil War Era* 3.4 (2013): 594-596.

**Kerry Wallach, Assistant Professor of German Studies**, published a review of the book *Weimar Film and Modern Jewish Identity* by Ofer Ashkenazi (London: Palgrave Macmillan, 2012) in *Jewish Film and New Media* 1.2 (2013): 226-228. Through formal film analysis and a broader discussion of the history of Jewish acculturation, this book makes a case for film as the quintessential mode of creative expression for Jews in Weimar Germany.

**Rimvydas Baltaduonis, Assistant Professor of Economics**, taught an invited intense graduate course on Experimental Economics at Vytautas Magnus University, Kaunas, Lithuania, January 2014. Research assistant **Kathryn Sanger '17** accompanied Dr. Baltaduonis to Lithuania to assist in conducting laboratory demonstrations and training students how to design and program the software for economics experiments.

**Baltaduonis** gave a presentation titled "Abatement Investment Decisions under Alternative Emissions Regulation" at the Second Antigua Experimental Economics Conference, Antigua, Guatemala, February 20, 2014. The presentation discussed the performance of alternative regimes to control emissions. The main focus was on the effects of a staged transition from a tax regime to a permit trading regime, such as that recently implemented in Australia, relative to standard policy regimes, such as a pure emissions tax and a pure emissions permit trading.

**Baltaduonis** delivered an invited lecture titled "Deregulated Electricity Markets" at the Edmund A. Walsh School of Foreign Service, Georgetown University, Washington, D.C., February 24, 2014. The presentation focused on the deregulation processes of electric power industries around the globe, as well as the organization of newly created wholesale power markets.

**Baltaduonis**, with James Koehler, co-taught a workshop on Energy Economics at Georgetown University, Washington, D.C., March 22-23, 2014. This two-day workshop was designed to introduce the participants to the fundamentals of the energy sector, which includes production, development, distribution, financing, and consumption relating to both Power Generation and Transportation, both domestically and internationally.

**Michael Birkner, Professor of History and Benjamin Franklin Professor of Liberal Arts**, gave a public lecture titled "Governors and Governing in New Jersey" at the Eagleton Institute, Rutgers University, February 9, 2014. The talk is a byproduct of Birkner's latest book, *The Governors of New Jersey* (New Brunswick, NJ: Rutgers University Press, 2014).

**John Commito, Professor of Environmental Studies**, with student co-authors **Sondra Winders '14, Brittany Jones '12, and Mitchell Jones '12**, and co-author Serena Como of the Institute for Coastal Marine Environment of the Italian National Research Council, presented a talk titled (with apologies to singer Phillip Phillips) "Gone, Gone, Gone: Legacy Effects of Mussel Biogenic Material on Soft-Bottom Assemblages and Ecosystem Processes" at the 43rd Annual Benthic Ecology Meeting, Jacksonville, FL, March 20, 2014. This talk presented the results of a multi-year project on the impacts of biogenic calcium carbonate shell material resulting from recent massive mortality events of once-thriving mussel populations in Maine, most likely caused by invasive species of predatory crabs. The authors demonstrated significant univariate and multivariate effects on seafloor sediment composition and animal abundance patterns. Commito was lead author for this presentation. Brittany and Mitchell are currently graduate students in Marine Science and Ecology programs, respectively.

**Commito**, with student co-authors **Winders '14, Jones '12, Jones '12**, and co-author Como, presented a poster titled "Wind Forcing of Sediment Flux and Post-Larval Transport in a Patchy, Biogenically Structured Intertidal System" at the 43rd Annual Benthic Ecology Meeting, Jacksonville, FL, March 20, 2014. The authors demonstrated that wind-generated water currents are altered as they move over shell material resulting from recent die-backs of mussel populations in Maine. The altered hydrodynamics cause significant changes in sediment flux and animal transport rates; thus, invasive crab predators that killed the mussels had unexpected consequences on ecosystem processes. Commito was second author on this poster, which was presented by Winders.



**Amy Dailey, Assistant Professor of Health Sciences**, with student co-author and Health Sciences and Public Policy major **Helena Yang '14**, presented a poster titled "Using Photovoice for Cross-Cultural Exchanges Exploring Global Food Issues in a Local Community" as part of the International Human Rights Committee student poster session at the American Public Health Association Annual Meeting, Boston, MA, November 2-6, 2013. Co-authors were **Salma Monani, Assistant Professor of Environmental Studies**, and **Kim Davidson, Director of the Center for Public Service**; student co-authors were **Emily Constantian '13** and **Camille Horton '12**. Using community-based participatory research methods we examined food justice issues through a community photography project.

**Dailey** gave a presentation titled "Integrating Teaching and Scholarship through Community-Based Participatory Research and an Undergraduate Epidemiology Laboratory," written with student co-author **Helena Yang '14** and co-author Kathy Gaskin, at the Undergraduate Education for Public Health Summit, Boston, MA, November 15, 2013. Dailey discussed the benefits and challenges of trying to simultaneously meet teaching and scholarship goals by engaging a classroom in a community research project.

**Daniel R. DeNicola, Professor of Philosophy**, was the featured scholar in The Hays and Margaret Crimmel Colloquium on Liberal Education at St. Lawrence University, Canton, NY, September 15-18, 2013. He delivered the Crimmel Lecture, "Learning to Flourish: Connecting the Past and the Future of Liberal Education."

**DeNicola** delivered an invited research presentation titled "The Virtues of Ignorance" at Lancaster University, Bailrigg, Lancaster, England, November 6, 2013. The presentation, a part of Dr. DeNicola's appointment as Visiting Fellow in the Department of Politics, Philosophy, and Religious Studies for the Fall 2013 term, was of a work in progress on the concept of ignorance.

**Felicia Else, Associate Professor of Art and Art History**, delivered a paper titled "Fountains of Wine and Water: Medici Power and Playfulness in the 1565 Entrata" at the Sixteenth Century Studies Conference, San Juan, Puerto Rico, October 24-27, 2013. This paper explores artistic and political influences and reconstructs the urban context for two ephemeral wine fountains and the Fountain of Neptune in the Piazza della Signoria of Florence during an important festival entry in 1565.

**Else** presented a paper titled "The Medici Court and the Challenges of Water in Florence" at the 60th Annual Meeting of the Renaissance Society of America, New York, NY, March 27-29, 2014. This paper, part of three interdisciplinary sessions co-organized by Professor Else on the theme of Renaissance Water, presented new research from the State Archives of Florence on water-management problems and fountain restorations in sixteenth-century Florence.

**Else** gave an invited presentation on "The Reclining Pan in the Renaissance" at the 41st annual conference of the Midwest Art History Society, St. Louis Art Museum, St. Louis, MO, April 3-5, 2014. This presentation was part of a special session about a marble statue of a Reclining Pan in the St. Louis Art Museum. The statue, carved from an Ancient Roman fragment, is considered one of the most important Early Modern Italian sculptures in the United States, but its attribution and date remain unresolved.

**Joshua Griffiths '14**, French Major, presented a paper, advised by Dr. Jennifer Bloomquist and Dr. Jack Murphy, entitled "A Diachronic Analysis of Schwa in French" at the National Conference on Undergraduate Research, Lexington, KY, April 3-5, 2014. This paper analyzed how the mid-central schwa has evolved in French from Vulgar Latin and the long-lasting effects these changes have had on synchronic French phonology.



**Kelly Hagerty '14**, English Major and Religious Studies Minor, advised by Dr. Allen Guelzo and Dr. Charles Myers, presented research titled “‘God Himself Could Not Sink This Ship’: The Altered Perceptions of God in Response to the R.M.S. *Titanic*” at the National Conference on Undergraduate Research, Lexington, KY, April 3-5, 2014. This research analyzed the representation of the *Titanic* in the optimistic early twentieth century, and the development of three distinct, yet inherently related, perceptions of God in response to her sinking. Last summer Hagerty received a Mellon grant to research the religious responses to the *Titanic*, and she narrowed the research to identify the three perceptions of God in response to the sinking, those being “The All-Powerful God of Wrath,” “The Benevolent God of Free Will,” and “The God of Uncertainty.” She did this through newspaper archives, recorded sermons, and interviews with historians such as Steven Biel and Ed Kamuda.

**Sarah Hayes '14**, History and German Studies Double Major, presented a paper titled “I, the Queen: Power and Gender in the Reign of Isabel I of Castile” at the National Conference for Undergraduate Research, Lexington, KY, April 3-5, 2014. This paper examined the ways that medieval gender roles influenced the political power of Isabel I of Castile, and how the lessons learned from her reign can be used for women in leadership today.

**Caroline Hartzell, Professor of Political Science**, presented a paper titled “Signaling Strangers? Power Sharing and FDI in Post-Civil War States” at the annual meeting of the Peace Science Society (International), University of Tennessee, Knoxville, TN, October 25-26, 2013. The paper investigates whether power-sharing agreements have the potential to help post-civil war states attract foreign direct investment.

**Brian Matthew Jordan, Lecturer in Civil War Era Studies**, delivered an invited lecture titled “Marching Home: Union Veterans and the Unending Civil War” to the Civil War Forum of Metropolitan New York, New York, NY, March 10, 2014.

**Alvaro Kaempfer, Associate Professor of Spanish and Latin American Studies**, presented a paper at the Annual Meeting of the American Comparative Literature Association (ACLA), New York, New York, March 21-23, 2014. Participating in a set of panels on Latin American Capital Cities, their representation and relations in Literary and Visual Arts, Professor Kaempfer discussed Rosario Orrego’s novel *Alberto el Jugador* (1860) not only as one of the few XIX Century Latin American novels written by women, but also as a tentative mapping of the city in terms of guided gender transit/traffic over urban spaces in consonance with the cultural and “moral” consolidation of Latin American Capitalism.

**Kaempfer** delivered a paper titled “*I the Supreme* (1974) by Augusto Roa Bastos and the Construction of the Latin American Intellectual” at the 45th Annual Convention of the Northeast Modern Language Association (NeMLA), Harrisburg, PA, April 5, 2014. This presentation explored in Roa Bastos’s novel the tentative attempt to trace back, in the context of the Latin American literary boom, the role of late XX Century Latin American intellectuals in the figures surrounding the foundational figure of Dr. Francia in XIX Century Paraguay.

**Daniel McCall, Associate Professor of Psychology**, with staff co-author **Nathalie Goubet, Associate Professor of Psychology**, and student co-authors **Brianna Hare '14**, **Sabrina Waage '14**, and **Adam Weinbrom '14**, presented a poster titled “Cross-Modal Associations between Odors, Colors, and Abstract Visual Forms” at the Annual Meeting of the Eastern Psychological Association, Boston, MA, March 13-16, 2014. In two experiments, we explored the way that the perception of odors evokes robust associations with colors and visually-presented abstract figures—a process that likely plays a role in the experience of the flavor of foods.

**Kenneth Mott, Professor of Political Science**, with student co-authors **Maria Lombardi '15** and **Cassandra Mensinger '15**, presented a paper titled "Religious Symbols and the Establishment Clause: The Lemon Test and Camouflage" at the Annual Meeting of the Northeastern Political Science Association, Philadelphia, PA, November 14-16, 2013, Philadelphia, PA. This research paper provided a brief history and examined government's use of various religious symbols in public places, focusing on a particular case decided by the Sixth Circuit Court of Appeals, *Freedom from Religion, Inc. v. City of Warren* (2013).

**Heather Odle-Dusseau, Assistant Professor of Management**, with co-authors Leslie B. Hammer, Tori L. Crain, and Todd Bodner, presented a paper titled "The Influence of Family-Supportive Supervisors on Job Satisfaction and Performance: An Organizational Change Initiative" as part of the symposium "Occupational Health Initiatives: Evidence-Based Safety and Health Interventions" at the 10<sup>th</sup> Annual International Conference on Occupational Stress and Health, Los Angeles, CA, May 16-19, 2013. (Odle-Dusseau and Hammer were co-chairs of the symposium.) In this paper, they replicated and extended past results demonstrating benefits of training to increase family-supportive supervisor behaviors (FSSB) in a health care setting. Using a pretest-posttest design, 143 health care employees completed surveys at two time periods, while between these surveys, they offered their supervisors FSSB training. Results demonstrated significant and beneficial indirect effects of FSSB training on changes in employee job performance, organizational commitment, engagement, job satisfaction, and turnover intentions through changes in employee ratings of their supervisor's overall FSSBs.

**Odle-Dusseau**, with co-authors Thomas W. Britt, Hailey A. Herleman, DeWayne Moore, Carl A. Castro, Anthony Cox, and Charles W. Hoge, presented a paper titled "When Work Demands Result in Positive Outcomes" as part of the symposium "When Positive Work Experiences and Organizational Stressors Collide" at the 10<sup>th</sup> Annual International Conference on Occupational Stress and Health, Los Angeles, CA, May 16-19, 2013. They examined how work demands could result in not only negative impacts on individuals, but also be associated with positive outcomes.

**Voon Chin Phua, Associate Professor of Sociology**, delivered a presentation titled "Evaluating Online Asia Tourist Information: The Cases of Singapore and China" at the International Conference on Hospitality, Leisure, Sport, and Tourism, New Delhi, India, February 7, 2014. This paper examines how gay tourism in Singapore and China is presented on the Internet.

**Sarah Principato, Associate Professor of Environmental Studies**, with student co-authors **Alyson Hampsch '14** and **Elizabeth Emmons '14**, delivered a presentation titled "Using Sedimentology and GIS Analysis to Interpret Paleo-Ice Flow in Northern Iceland" at the 49th Annual Meeting of the Northeastern Section of the Geological Society of America, Lancaster, PA, March 24, 2014. They used GIS to analyze drumlins and other streamlined landforms in northern Iceland to interpret past ice-flow patterns. The results of this project provide geomorphic evidence for an ice stream in northern Iceland.

**Principato**, with co-presenters Ian Spooner, Hilary E. White, Susann Stolze, and Nicholas Hill, delivered a presentation titled "Records of Late Holocene Moisture Regime from Wetlands in Nova Scotia, Canada" at the 49th Annual Meeting of the Northeastern Section of the Geological Society of America, Lancaster, PA, March 24, 2014. In this study, they examined peat deposits in Nova Scotia with buried tree stumps. Analyses of the peat, along with radiocarbon dating of wood, show that there have been fluctuations in precipitation throughout the Holocene.

**Marta Robertson, Associate Professor of Music**, presented a paper titled "Floating Worlds: Japanese and American Transcultural Encounters in Dance" at the Joint Conference of the Congress on Research in Dance (CORD) and the Society of Dance History Scholars (SDHS),

Riverside, CA, November 14-17, 2013. This paper considers four politically charged encounters between the United States and Japan and their effect on music, dance, and visual art. A written version of the paper will be published in the forthcoming (2014) *Conference Proceedings* on the theme “Decentering Dance Studies: Moving in New Global Orders.”

**Chloe Ruff, Assistant Professor of Education**, with staff co-presenter **Divonna Stebick, Assistant Professor of Education**, and student co-presenter **Rachel West ‘14**, presented a practice session titled “iPad/Mobile Learning Strategies: iLearn, iPractice, and iEvaluate” at the Sixth Annual Conference on Higher Education Pedagogy, Blacksburg, VA, February 5, 2014. The session offered strategies for supporting the digital literacy of undergraduate students, and engaged the multidisciplinary audience in a discussion of the benefits and drawbacks of integrating iPad technology in the undergraduate classroom. They presented strategies used with and by students in Dr. Stebick’s Fall 2014 course (Teaching Students with Diverse Learners, EDUC 340). The students in this course were assigned iPads to use in class and in their field lab experiences. Rachel West, as the course PLA, facilitated online discussions related to the students’ perceptions and use of iPads.

**Jack Ryan, Vice Provost and Associate Professor of English**, presented a paper titled “*Amigo*: From Encyclopedic Novel to Digital Film” at the annual Literature/Film Association (LFA) Conference, University of Kansas, Lawrence, KS, October 10-12, 2013. This paper examines how writer-director John Sayles adapted a portion of his novel, *A Moment in the Sun*, for the screen.

**Stephanie A. Sellers, Director of the Women’s Center; Adjunct Assistant Professor of English; Women, Gender, and Sexuality Studies; and Interdisciplinary Studies**, presented a paper titled “From 1635 to 2013: The Lasting Mohegan Religious Tradition” as part of the Native American Traditions panel at the Annual Meeting of the American Academy of Religion, Baltimore, MD, November 24, 2013. In the paper, Sellers discussed the oldest Native-run museum on Turtle Island, Connecticut—the Tantaquidgeon Indian Museum. The museum employs Mohegan tour guides and young adult docents who are living testaments to the cultural continuance of their people.

**Sellers** presented a paper titled “Warraghiyagey in London: Mohawk Missionary” at the Annual Meeting of the American Society for Eighteenth-Century Studies, Williamsburg, VA, March 20, 2014. As part of the panel “Indigenizing the Metropole,” this paper focused on Warraghiyagey (Sir William Johnson) and the political access he was granted to Indigenous nations, specifically the Mohawk, through his marriage to Mohawk clan mother Tekonwatonti, who was also a major military commander in the 1700s—a fact often overlooked by mainstream historians who are unaware of Indigenous kinship networks on Turtle Island.

**Sellers** co-chaired a panel titled “Pro-Indigenous Feminisms, Communal Autobiography, and Water” at the Annual Meeting of the Northeastern Modern Language Association, Harrisburg, PA, April 4, 2014, and also presented the paper “River of Identity: Water in the Autobiographical Works of Mary TallMountain (Athabascan).” TallMountain is an Indigenous poet who wrote extensively about the sacred relationship between her people, the Athabascan Koyukon nation, and the Yukon River—a body of water that carries and nourishes their traditional identity. She won a Pushcart Prize in 1982.

**Carolyn S. Snively, Professor of Classics**, delivered a presentation titled “The Christian Topography of the Anonymous, Late Antique City at Golemo Gradište, Konjuh, Republic of Macedonia” at the XVI Congresso Internazionale di Archeologia Cristiana, Rome, Italy, September 22-28, 2013. The three known churches at or near the site were reviewed, and the unusual liturgical features of the Rotunda and the Episcopal Basilica were discussed.

**Snively** delivered a presentation titled “Golemo Gradište at Konjuh: A New City or a Relocated One?” at “New Cities in Late Antiquity (Late 3rd-7th c. AD): Documents and Archaeology,” an International Workshop co-sponsored by the Netherlands Institute in Turkey and the Istanbul Department of the German Archaeological Institute, at the Netherlands Institute, Istanbul, Turkey, November 9-10, 2013. The presentation included a discussion of the Roman material that suggests the presence of a Roman site in the vicinity of but not at the same place as the Late Antique site of Golemo Gradište.

**Snively** delivered a presentation titled “Excavation in the Late Antique City at Golemo Gradište, Konjuh, 2012-2013” at the 115th Annual Meeting of the Archaeological Institute of America, Chicago, IL, January 3, 2014. The presentation was an excavation report about the work and discoveries of the last two seasons at Golemo Gradište, including the discovery of a well-preserved baptistery.

**Snively** delivered an invited lecture titled “Golemo Gradište at Konjuh, R. Macedonia: Archaeological Excavation at an Anonymous Late Antique City” at the Archaeological Museum, Sofia, Bulgaria, March 19, 2014. The lecture, which Snively was invited to present as the American Research Center in Sofia’s annual Eugene Schuyler Lecture, provided an overview of the discoveries made at the site of Golemo Gradište during the last 15 years by the Gettysburg College and Museum of Macedonia project.

**Divonna Stebick, Assistant Professor of Education**, with staff co-presenter **Chloe Ruff, Assistant Professor of Education**, and student co-presenter **Rachel West ‘14**, presented a practice session titled “iPad/Mobile Learning Strategies: iLearn, iPractice, and iEvaluate” at the Sixth Annual Conference on Higher Education Pedagogy, Blacksburg, VA, February 5, 2014. The session offered strategies for supporting the digital literacy of undergraduate students, and engaged the multidisciplinary audience in a discussion of the benefits and drawbacks of integrating iPad technology in the undergraduate classroom. They presented strategies used with and by students in Dr. Stebick’s Fall 2014 course (Teaching Students with Diverse Learners, EDUC 340). The students in this course were assigned iPads to use in class and in their field lab experiences. Rachel West, as the course PLA, facilitated online discussions related to the students’ perceptions and use of iPads.

**Eileen Stillwaggon, Professor of Economics**, delivered an invited lecture titled “Neglected Diseases, Neglected Remedies in the Context of AIDS in Africa” at the Symposium on Maternal and Child Mortality and AIDS in Africa, Bloustein School of Planning and Public Policy, Rutgers University, New Brunswick, NJ, November 18, 2013. Stillwaggon discussed the diseases that are more common in sub-Saharan Africa than anywhere else, such as malaria and schistosomiasis, and that make individuals and the population as a whole more vulnerable to transmission and progression of HIV/AIDS.

**Stillwaggon** presented a paper titled “Congenital Toxoplasmosis: Modeling the Costs of Maternal Screening in Diverse Populations” at the 62<sup>nd</sup> Annual Meeting of the American Society of Tropical Medicine and Hygiene (ASTMH), Washington DC, November 14, 2013. In this paper, Stillwaggon discussed the adaptation of her model of toxoplasmosis screening for the United States, which she developed with Gettysburg College student **Chris Carrier ‘11**, to the different economic and social circumstances of France and Brazil.

**Stillwaggon** presented a poster on “Methodological Flaws in the STI-HIV Trails” at the 62<sup>nd</sup> Annual Meeting of the American Society of Tropical Medicine and Hygiene (ASTMH), Washington DC, November 16, 2013. In this work, Stillwaggon reported on her comprehensive critical review of the 10 clinical trials of treatment for sexually transmitted infections for HIV prevention. She concluded that methodological flaws, including insufficient exposure contrast; confounding;



non-differential misclassification; effect modification; and contamination bias the trials' results consistently toward the null, thus making it impossible to draw policy conclusions from those trials.

**Emily E. Thren '14**, Mathematics and Health Sciences Dual Major, advised by Dr. Darren Glass and Mr. David Petrie, presented a poster titled "Using Euclid's Theorems to Minimize Skin Grafts in the Operating Room" at the National Conference on Undergraduate Research, Lexington, KY, April 3-5, 2014. This poster explored Emily's internship at the University of Maryland Medical Center: Shock Trauma in Baltimore, MD, with Dr. Eduardo Rodriguez, M.D., D.D.S., and how mathematics can be used to minimize the size of a skin graft.

**Janelle Wertzberger, Director of Reference and Instruction, Musselman Library**, presented a webinar titled "On with the Show! Open Access Publishing as a Local Production," December 5, 2013. The webinar, sponsored by bepress Digital Commons, covers both the "backstage" and "performance" aspects of launching and maintaining an institutional repository at a smaller institution.

**Wertzberger**, with Stephanie Davis-Kahl, presented a webinar titled "Open Access and the Liberal Arts College" for ISIS (Information Services Instruction Support). This presentation informed instructional technology and library staff at liberal arts colleges about open access publishing and institutional repositories at Gettysburg College and Illinois Wesleyan University.

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## PROFESSIONAL DISTINCTIONS AND AWARDS

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**Paul Carrick, Adjunct Professor of Philosophy**, and former founding director of the Honors Program at Harrisburg Area Community College (HACC), was the featured faculty speaker at the Spring Commencement of HACC, May 14, 2013. Carrick extolled the persistent value of a liberal arts and sciences education amidst the growing influences of popular culture and the commodification of higher education.

**Kay Etheridge, Professor of Biology**, received a fellowship from the National Endowment of the Humanities to support work on her book on Maria Sibylla Merian, a 17th century artist/naturalist. Merian studied the metamorphosis of moths and butterflies for several decades, and was the first naturalist to record in text and illustrations the interactions of insects with their food plants.

**Larry Marschall, Professor of Physics**, was awarded an Erskine Fellowship at the University of Canterbury, Christchurch, New Zealand, for the February-May 2014 semester. He will be teaching a course on stellar astrophysics, consulting with members of the department who use CLEA software developed at Gettysburg College, and working with members of the astronomy faculty on campus and at the Mt. John Observatory.

**Marta Robertson, Associate Professor of Music**, was appointed to a three-year term (January 2014 to January 2017) as the CD review editor for the *Journal for the Society of American Music*.



**Kathy Berenson, Assistant Professor of Psychology**, participated in a workshop on Teaching Integrity in Empirical Research (TIER) at Haverford College, Haverford, PA, March 7-8, 2014. The workshop focused on strategies to teach future social scientists essential skills for conducting replicable research.

**Paul Carrick, Adjunct Professor of Philosophy**, was the featured guest interviewed about environmental ethics and public policy on National Public Radio's "Mike Carroll Show," recorded in Oracle, AZ, on January 11, 2014, and recently aired on WITT in Indianapolis and on 45 other NPR affiliates. Carrick focused on controversies surrounding climate change and consequences of inaction on limiting greenhouse gas emissions. He also explored the role of philosophy in helping to settle complex public policy issues dealing with human welfare and environmental health.

**Tina Gebhart, Assistant Professor of Art and Art History**, exhibited work in the 7th Simple Cup Invitational at the KOBO Gallery, Seattle, WA, November 2-30, 2013. This gallery specializes in Pacific Rim artwork and artworks influenced by Asian aesthetics or formats. Professor Gebhart presented three pieces—*Cloud Column Teabowl*, *Jade One-Finger Mug*, and *Petrified Teabowl*—in this invitational exhibition, which focused on all versions of cups, from teabowls to tumblers.

**Gebhart** exhibited work in the Fourth International Ceramics Biennial, "Cup of Comfort," juried by Ray Chen, at the Halcyon Art Gallery of the Swope Art Museum, Terra Haute, IN, November 1-December 27, 2013. Professor Gebhart presented her pieces *Belly Mug*, *Gourdy Twinkle Toes Mug*, and *Short Column Mug*. These mugs show continued varietal combinations of viola body profiles, scalloped edges, and voluminous form with rhythmic indentations.

**Gebhart** presented her pieces *Swollen Bamboo Mug* and *Ridgefooted Mug* in the Drink This! International Cup Show exhibition, juried by Sam Chung, at the Workhouse Arts Center, Lorton, VA, January 9-February 10, 2014. This pair of artworks riffs on Palladian order, recombining simple concave repeats in a slightly shifting visual balance—stoic but in motion.

**Brian Matthew Jordan, Lecturer in Civil War Era Studies**, was appointed Book Review Editor for *The Civil War Monitor*, a scholarly Civil War magazine with a national circulation.

**Alvaro Kaempfer, Associate Professor of Spanish and Latin American Studies**, was invited to make a presentation as part of a working group of historians analyzing the sesquicentennial celebrations of the Latin American independences. This colloquium, hosted by the Instituto Riva-Agüero and the Institut Francais D'etudes Andines, was held in Lima, Peru, November 28-30, 2013. Professor Kaempfer's presentation was about the impact on May 22, 1960, of the earthquake whose epicenter was the city of Valdivia, in southern Chile—the biggest (9.5 Richter) earthquake in our worldwide record—not only on the celebration of the independence, but also on the construction of a political discourse relating history and nature over national imaginaries.

**John Kovaleski, Visiting Assistant Professor of Studio Art (Art and Art History)**, published another episode of his comic strip "Me, Myself and My Puppet" ("Go Bed Shopping") in the June 2013 issue of *MAD Magazine*.

**Stacey Mastrian, Assistant Professor and Coordinator of Voice, Sunderman Conservatory of Music**, gave a lecture for composers on working with the voice, singer-composer collaborations, and contemporary vocal works at Pennsylvania State University, State College, PA, on March 27, 2014. On March 28, she collaborated with **Scott Crowne, Staff Pianist, Sunderman Conservatory**, to perform a recital entitled "Post-Puccini Italian Vocal Music."

**Mastrian** performed *Portrait in Song: A Song Cycle for Soprano and Piano* in the closing concert of the annual Society of Composers Conference, Ball State University, Muncie, IN, March 22, 2014.

**Mastrian**, joined by **Crowne**, gave a lecture recital entitled “Beyond Verdi: Italian Opera in the 20th Century” at the University of Maryland, College Park, MD, April 15, 2014. The event was co-sponsored by the Italian Department in the School of Languages, Literatures and Cultures and by the Voice Division in the School of Music.

**Sarah Principato, Associate Professor of Environmental Studies**, with colleague Ben Laabs, co-chaired the panel “Glaciers, Sediments, and Landforms of Northeast North America and Beyond” at the 49th Annual Meeting of the Northeastern Section of the Geological Society of America, Lancaster, PA, March 24, 2014. This session focused on records of climate change interpreted from glaciers, sediments, and landforms, including studies on Greenland, Alaska, and the northeast USA. They also organized oral and poster sessions.

**Dustin Beall Smith, Adjunct Assistant Professor of English**, gave a reading of his short fiction, “The Woman from Where,” at the Cornelia Street Cafe, New York, NY, April 2, 2014. In this story, a Vietnam War veteran meets a young woman at a faux French bistro on Manhattan’s Upper West Side.





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