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The Faculty Notebook, May 2012

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The Faculty Notebook, May 2012

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.

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Disciplines

Library and Information Science | Scholarly Publishing

The FACULTY Notebook



VOLUME XVII, NO. 2

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PUBLICATIONS

Yasemin Akbaba, Assistant Professor of Political Science, and Zeynep Taydas published “Does Religious Discrimination Promote Dissent? A Quantitative Analysis” in *Ethnopolitics*, 10.3-4 (2011): 271-295. This article seeks to examine the impact of religious discrimination on the probability of ethnic dissent. It is argued that religious discrimination leads to the generation of grievances, which in turn encourages ethnoreligious minorities to engage in peaceful and violent opposition against the state.

Akbaba with co-author Jonathan Fox published “The Religion and State-Minorities Dataset” in *Journal of Peace Research*, 48.6 (2011): 807-816. This article presents the Religion and State-Minorities (RASM) dataset addressing its design, collection, and utility. RASM codes religious discrimination by governments against all 566 minorities in 175 countries which make a minimum population cutoff. It includes 24 specific types of religious discrimination coded yearly from 1990 to 2002.

Christine M. Ameduri, Assistant College Archivist, published a chapter entitled “The Library of Gettysburg College” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. This chapter is a short history of the Gettysburg College Library, chronicling major changes in venues and numbers of volumes.

Victor J. Arcelus, Assistant Dean of College Life and Director of Residence Life, published “Transforming Our Approach to Education: Cultivating Partnerships and Dialogue” in *Contested Issues in Student Affairs: Diverse Perspectives and Respectful Dialogue* (Sterling, Virginia: Stylus Publication, 2011) edited by Peter M. Magolda and Marcia B. Baxter Magolda. This chapter reviews the challenges institutions face in developing a learning-centered campus climate that fosters cross-divisional collaboration, and it offers recommendations on how to overcome these challenges through a combination of intragroup and intergroup dialogue.

Cecilia Diniz Behn, Assistant Professor of Mathematics, with co-authors M. Fleshner, V. Booth and D. Forger published “Multiple Signals from the Suprachiasmatic Nucleus Required for Circadian Regulation of Sleep-Wake Behavior in the Nocturnal Rat” in *Philosophical Transaction of the Royal Society*, A. 369 (2011): 3855-3883. This work applies mathematical modeling to investigate bidirectional interactions between sleep and circadian systems.

Diniz Behn and Victoria Booth published “Modeling the Temporal Architecture of Rat Sleep-Wake Behavior” in *IEEE Engineering in Medicine and Biology Society*, (2011): 4713-4716. This article introduces the use of fine temporal architecture as a constraint for physiologically-based mathematical models of sleep-wake behavior.

Diniz Behn also published with Victoria Booth “A Fast-Slow Analysis of the Dynamics of REM Sleep” in *SIAM J. Applied Dynamical Systems*, 11: 212-242. This work provides a formal

mathematical analysis of the dynamics governing the production of REM sleep in a mathematical model of sleep-wake behavior. It has implications for understanding REM sleep regulation in different species and over the course of the 24 hour day.

Marie-Jo Binet, Associate Professor of French, published “Robert Morin: Papa À La Chasse Aux Lagopèdes Ou Filmer L’Absence” in *Revue Canadienne D’Études Cinématographiques / Canadian Journal of Film Studies* 20.1 (2011): 79-99. This article includes references to the objectives, discoveries and techniques of Quebec Direct Cinema from which Morin’s works emerge. Binet’s analysis of the film construction provides an explanation for how and why spectators are drawn into the screen.

Michael J. Birkner, Professor of History and Benjamin Franklin Professor of Liberal Arts, edited the journal *Adams County History*, 16 (2010): 1-78. *Adams County History* is an annual scholarly publication of the Adams County Historical Society. The journal under Michael Birkner’s editorship has periodically featured work of Gettysburg College students, including the article on “Mapping Gettysburg” by Danielle Hiss and Megan Gray. Birkner’s editorial introductions provide a convenient summary and commentary on each issue’s contents.

Birkner also wrote “Dwight D. Eisenhower” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. The correspondence of Dwight D. Eisenhower, who retired to Gettysburg after his presidency, is the subject of Michael Birkner’s essay.

Philip Bobko, Professor of Management, and co-authors Roger Mayer, James David and Mark Gavin published, “The Effects of Changing Power and Influence Tactics on Trust in the Supervisor: A Longitudinal Field Study” in *Journal of Trust Research*, 1 (2011): 177-201. This is a five-month longitudinal study showing that, as hypothesized, changes in employee trust levels were associated with specific types of power use and influence attempts by supervisors.

Judith A. Brough, Adjunct Professor of Education, with co-author Sherrel Bergmann published *Reducing the Risk, Increasing the Promise: Strategies for Student Success*. (Larchmont, NY: Eye on Education, 2011). This book was written to provide elementary, middle, and high school educators with a means of connecting and motivating at-risk students. Research-based strategies for teachers, administrators, and parents are offered.

Ronald D. Burgess, Professor of Spanish, published “Mexico: Six Years for the Titizú Puppet Troupe” in *The Puppetry Journal*, 63.2 (2011): 17-18. Titizú is one of a very few puppetry companies in Mexico City that has survived for more than a year or two. This article gives an overview of the group and then it focuses on their sixth anniversary presentation.

Gerardo L. F. Carfagno, Visiting Assistant Professor of Biology, with J. Maxwell Carithers, Leah J. Mycoff, and Richard M. Lehtinen published “How the Cricket Frog Lost its Spot: The Inducible Defense Hypothesis” in *Herpetologica*, 67.4 (2011): 386-396. The authors demonstrate that variable tail coloration in cricket frog tadpoles is an inducible defense, and that a combination of plastic morphology and behavior likely allows these frogs to successfully breed in a broad range of habitats with different predator assemblages.

Peter S. Carmichael, Robert C. Fluhrer Professor of Civil War Studies and Director of the Civil War Institute, published “Soldier-Speak” in *Weirding the War: Stories From the Civil War’s Ragged Edges* (Athens: University of Georgia Press, 2011) edited by Stephen Berry. Edward Ayers, the 2010 Fortenbaugh Speaker, wrote of the *Weirding of the War* volume: “Saying something truly new about the American Civil War seems impossible, but here is a book that offers an explosion of new perspectives and insights often surprising and sometimes disturbing.”

Carmichael also wrote “Gettysburg from McLean’s Hill” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. In this piece Peter Carmichael introduces us to George Leo Frankenstein’s paintings of the Gettysburg Battlefield produced shortly after the battle’s conclusion.

John A. Commito, Professor of Environmental Studies, with J. L. Gutiérrez, C. G. Jones, J. E. Byers, K. K. Arkema, K. Berkenbusch, C. M. Duarte, S. D. Hacker, I. E. Hendriks, P. J. Hogarth, J. G. Lambrinos, M. G. Palomo, and C. Wild published “Physical Ecosystem Engineers and the Functioning of Estuaries and Coasts: Reef-Building Bivalves” in *Treatise on Estuarine and Coastal Science, Vol. 7* (Amsterdam, Netherlands: Elsevier) edited by C. H. R. Heip, C. J. M. Philippart, and J. J. Middelburg. John Commito was a co-author with marine scientists from universities in South America, Europe, and New Zealand who developed a theoretical framework for the so-called “ecosystem services” supplied by plants and animals that alter the physical environment in the coastal zone. Mussel beds, coral reefs, mangrove forests, salt marshes, and other ecosystem engineers provide valuable services such as coastal defense from storms and sea level rise that would be too costly for humans to design and build.

Amy B. Dailey, Assistant Professor of Health Sciences, published with co-authors Babette A. Brumback, Melvin L. Livingston, Beth A. Jones, Barbara A. Curbow, and Xiaohui Xu “Area-level Socioeconomic Position and Repeat Mammography Screening Use: Results from the 2005 National Health Interview Survey” in *Cancer Epidemiology Biomarkers and Prevention*, 20.11 (2011): 2331-44. Using national data, this paper shows that area-level socioeconomic position was associated with whether women receive repeat mammograms, independent of individual health insurance status, socio-demographic factors and other known correlates of mammography. This paper has been featured as a highlight of the November issue of the journal.

Daniel R. DeNicola, Professor of Philosophy, published “German Broadside of the Declaration of Independence” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. DeNicola writes about the College’s copy of the *Declaration of Independence* in German, one of only two known copies in that language.

Sunni C. DeNicola, Cataloging Assistant and Robin Wagner, Director of Library Services, Musselman Library, edited *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011), a collected volume of works by various Gettysburg College faculty and administration. DeNicola authored “The Papers of Jerry Spinelli, Class of 1963” in *30 Treasures, 30 Years*, a description of author and Newbery Prize winner Jerry Spinelli (’63) who has generously donated the original manuscripts and copies of his many successful books to special collections.

Connie Devilbiss, Adjunct Professor of Sociology, published a series of essays for the “Religion & Ethics” section of *The Frederick News-Post* in 2011. The 2011 FNP essays and other essays will be published as a collection in 2012.

Elizabeth M. Duquette, Associate Professor of English, published “Making an Example: American Literature as Philosophy” in *The Oxford Handbook of Nineteenth-Century American Literature* (New York: Oxford University Press, 2012) edited by Russ Castronovo. The chapter explores how Frederick Douglass navigates concerns about the relationship between theory and example in his more popular lecture, “Self-Made Men,” first delivered 1859 and published 1893.

Duquette also published “*Pierre’s* Nominal Conversions” in *Melville and Aesthetics* (New York: Palgrave Macmillan, 2011) edited by Samuel Otter and Geoffrey Sanborn. The article

considers the implications of Melville's style in *Pierre*, paying particular attention to its various representations of failure, both formal and cognitive.

Christopher R. Fee, Professor of English, published a book entitled *Mythology in the Middle Ages: Heroic Tales of Monsters, Magic, and Might* (Santa Barbara, CA: Praeger Publishing, 2011). The trappings of the Medieval Hero are woven from vibrant strands of mythology, folklore, and legend. Such Heroes speak to us in a language of adventure and wonder of the fears, burdens, and challenges we all encounter, and their glorious victories and valiant defeats still offer readers today words of hope and encouragement as we embark upon our own adventures. Archetypes endure over time, survive the demise of specific cultures, and indeed continue to flourish to the present day precisely because they tap into the dreams and nightmares shared by all humanity, the life-journey common to us all, and a more or less universal mode of human expression. The works of such authors as Tolkien, Rowling, and Riordan in many ways remain closer to this mother lode of storytelling than does most contemporary Western literature.

Timothy W. Funk, Assistant Professor of Chemistry, with co-authors Taylor N. Plank, Jessica L. Drake, Daniel K. Kim, published "Air-Stable, Nitrile-Ligated (Cyclopentadienone) iron Dicarboxyl Compounds as Transfer Reduction and Oxidation Catalysts" in *Advanced Synthesis Catalysis*, 354.4 (2012): 597-601. This paper describes the authors' most recent effort to replace an expensive, harmful, ruthenium-based catalyst with an air-stable, user-friendly, inexpensive, benign, iron-based catalyst. Illustrations of its ability to catalyze transfer of aldehydes and ketones and transfer oxidations of alcohols are included.

Michael S. Gibbons, Visiting Assistant Professor of Sociology, published "Community-Based Research on the Effects of the Financial Crisis on Community Service Organizations in Adams County, PA" in *Journal of Applied Social Science*, 6 (2012): 92-102. This paper examines the effects of the 2009 Budget Impasse on area community service agencies. Students of SOC Research Methods Fall 2009 participated in the fieldwork and analysis as part of their class project.

Daniel R. Gilbert, Professor of Management, published "Photographs of the College Playing Fields" in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Dan Gilbert uses old photographs of College athletic fields to explore the concept of competition in one of his courses.

Darren B. Glass, Chair and Associate Professor of Mathematics, published "Game Theory" in *Encyclopedia of Mathematics and Society* (Pasadena, CA: Salem Press, 2011) edited by Sarah J. Greenwald and Jill E. Thomley. This entry in the encyclopedia on the history and applications of Game Theory is based, in part, on his Math 103 class.

Glass published "Communal Partitions of Integers" in *INTEGERS Journal*, 11.6 (2011). In this paper, Glass used techniques from combinatorial number theory to count the number of ways to write an integer as the sum of positive integers none of which is "too big" (for example, the number of ways to divide 20 pieces of candy among five kids so that no kid gets more than five pieces). This work has applications to algebraic geometry and work Glass has done on Hurwitz spaces.

Glass published "The Secretary Problem from the Applicant's Point of View" in *College Mathematics Journal*, 43.1 (2012): 76-81. The 'Secretary Problem' is a classical problem in mathematics asking how someone interviewing candidates for a position should maximize the chance of hiring the best applicant. This note was inspired by a conversation between two Gettysburg students in the class of 2010 who wanted to know how a job applicant should respond, if they know the interviewer uses this optimal strategy.

Glass also published “Euclidis Elementorum” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Glass has written an essay about the College’s copy of Euclid’s *Elements*. While it is a fact that Euclid wrote during the reign of Ptolemy I, and our copy dates only from 1657, Glass emphasizes this volume’s importance noting that “essentially everyone who learned geometry between its writing in roughly 300 BC to the 19th century studied from it.”

Charles H. Glatfelter, Emeritus Professor of History, published “Architectural Drawings of Old Dorm” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. In writing about the original Pennsylvania Hall drawings, Charles Glatfelter describes the restorations of Old Dorm and reveals that he lived in Old Dorm as a student.

Allen C. Guelzo, Henry R. Luce Professor and Director of Civil War Era Studies, published “Jacobs’ Account of the Rebel Invasion” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Professor Guelzo discusses Michael Jacobs’ battle account, *Notes on the Rebel Invasion*.

Barbara S. Heisler, Professor Emerita of Sociology, and Hermann Kurthen published “Immigrant Integration: Comparative Evidence from the United States and Germany” in *Migration: Policies, Practices, and Activism* (London: Routledge, 2011) edited by Martin Bulmer and John Solomos. This article is a reprint of a previously published article in the journal *Ethnic and Racial Studies*, Vol. 32 (2009). In the article the authors make use of cross-sectional data from the 1997 German Socio-Economic Panel and the 1997 Panel of Income Dynamics to compare the process of integration of four generational cohorts of Turks in Germany and Mexicans in the United States. The comparative analysis reveals that the process of integration is not monolithic or linear, indicating some progress toward integration as well as exclusion in both countries.

Amy C. Hooper, Assistant Professor of Management, with co-authors Deborah L. Whetzel, Rodney A. McCloy, Teresa L. Russell, Shonna D. Waters, Wanda J. Campbell, and Robert A. Ramos published “Meta-Analysis of Clerical Performance Predictors: Still Stable After All These Years” in *International Journal of Selection and Assessment*, 19.1 (2011): 41-50. In 1980, Pearlman, Schmidt, and Hunter published a seminal paper on the validity of various measures for predicting performance in clerical jobs. Clerical jobs, however, have changed considerably due to the increased use of computers and technology in the office environment. In the present study, the authors re-evaluated the validity of measures predicting clerical job performance; their results were consistent with those from 1980, supporting the long-term stability of validity of selection measures despite technological changes to work.

Hooper along with Joyce E. Bono and David J. Yoon, published “Impact of Rater Personality on Transformational and Transactional Leadership Ratings” in *Leadership Quarterly*, 23.1 (2012): 132-145. This article examines the role of follower personality in followers’ evaluations of leader behaviors.

Christopher J. Kauffman, Assistant Professor of Theatre Arts, contributed “Shakespeare Folio” to *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Kauffman describes a collection of Shakespeare’s works after his death, the second impression, known as the Second Folio, printed in 1632. There is currently a copy of this rare volume in Gettysburg College’s Special Collections.

Martin M. Kley, Assistant Professor of German, published “Kennt Kultur keine Kurzarbeit?” Representing Work and Worklessness in Contemporary German Literature” in *Seminar: A Journal of Germanic Studies*, XLVII.4 (2011): 404-416. This article appeared in a special edition of the *Journal Seminar* on “Globalization, German Literature, and the New Economy.”

Dina Lowy, Associate Professor of History, contributed “Samurai Armor and Katana” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Dina Lowy sends her students on a treasure hunt to find the “Samurai Dude” in the library, with a prize for the first students who successfully locate the splendid suit of Japanese armor and take a picture of the display.

Michael B. Margolis, Assistant Professor of Economics, with co-author Jason F. Shogren published “Disguised Protectionism, Global Trade Rules, and Alien Invasive Species” in *Environmental and Resource Economics*, 55 (2012): 105-118. Under the World Trade Organization, most countries have made clear commitments not to tax imports at levels above published limits, but much vaguer commitments not to hold up ships unreasonably while inspecting for pests. This article shows that this imbalance can drive countries to exploit the softness of the inspection limit so much that it would be better for everyone if they had never agreed to any limits at all.

Laurence A. Marschall, Professor of Physics, published “A Photographic Atlas of Selected Regions of the Milky Way” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Marschall describes the two-volume set of *A Photographic Atlas of Selected Regions of the Milky Way* by Edward Emerson Barnard.

Russell G. McCutcheon, Assistant Professor of Music, published “Selected Annotated Listing of Repertoire for Soloist and Wind Band” in *Teaching Music through Performance in Band Volume 8* (Chicago, IL: GIA Publications, 2011) edited by Richard Miles. McCutcheon was selected by the editorial board to contribute annotated listings of selected composers and their works for soloist and wind band. This text is part of the long-standing *Teaching Music through Performance* series, one of the best-selling titles in the music education profession.

Brian P. Meier, Associate Professor of Psychology, with Hyunjin Song, Andrew J. Vonasch, and John A. Bargh published “Brighten Up: Smile Facilitate Perceptual Judgment of Facial Lightness” in *Journal of Experimental Social Psychology*, 48 (2012): 450-452. Four studies demonstrated that emotional expressions (i.e., smiles and frowns) can bias judgments of facial brightness in ways consistent with the metaphor.

Meier published, with co-authors Sara K. Moeller, Miles Riemer-Peltz, and Michael D. Robinson, “Sweet Taste Preferences and Experiences Predict Prosocial Inferences, Personalities, and Behaviors” in *Journal of Personality and Social Psychology*, 102 (2012): 163-174. Five studies revealed that sweet taste preferences and experiences predict agreeable perceptions, personality, and behavior.

Meier also published with co-authors Michael D. Robinson, Benjamin M. Wilkowski, Sara K. Moeller, and Adam Fetterman “Counting to Ten Milliseconds: Low Anger but not High Anger, Individuals Pause Following Negative Evaluations” in *Cognition and Emotion*, 26 (2012): 261-281. Four studies revealed that individuals low in trait anger pause after negative evaluations in a speeded evaluation task. Individuals high in trait anger did not pause. The results suggest that individuals low in trait anger engage in automatic self-regulation when exposed to negative stimuli.

Salma B. Monani, Assistant Professor of Environmental Studies, with co-author Miranda J. Brandy published “Wind Power! Marketing Renewable Energy on Tribal Lands and the Struggle for just Sustainability” in *Local Environment*, 17.2 (2012): 1-20. Using a case study approach and employing the critical framework of just sustainability, this article examines the ambivalent intersections of marketing and social/environmental justice as articulated through the public rhetoric of corporate entities that promote renewable energy generated on American Indian tribal lands.

Michael R. Morris, Adjunct Assistant Professor of Environmental Studies, with co-author Jack A. Stanford published “Floodplain Succession and Soil Nitrogen Accumulation on a Salmon River in Southwestern Kamchatka” in *Ecological Monographs*, 81.1 (2011): 43-61. This paper is based on research that Morris conducted in the Russian Far-East for his dissertation. This research suggests that spawning Pacific-salmon could act as a fertilizer in the development of floodplain vegetation communities.

Anna Jane Moyer, Librarian Emerita, published “Samuel Simon Schmucker’s Letters to His Wife Catherine” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Moyer describes the warmer side of Samuel Simon Schmucker, displayed in his letters to his wife, Catherine.

John P. Murphy, Assistant Professor of French, published “Protest or Riot? Interpreting Collective Action in Contemporary France” in *Anthropological Quarterly*, 84.4 (2011): 977-1010. By examining dominant interpretations of the fall 2005 youth riots and the spring 2006 employment reform (CPE) protests in France alongside those of young people collected during a year of fieldwork in the public housing projects of medium-sized French city, this article shines light on fundamental French values and beliefs while also contributing to ongoing debates about the cultural identity of such youth.

George M. Muschamp, Jr., Former Faculty Member, Department of Theatre Arts, contributed “Address Unknown” to *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. George Muschamp was a student of Katharine Kressman Taylor and describes discovering her novella, *Address Unknown*, in the library stacks as an undergraduate at Gettysburg College. Forty years later and a faculty member at his alma mater, he would direct and co-produce various productions of *Address Unknown* on stage.

Charles D. Myers, Jr., Chair and Associate Professor of Religious Studies, contributed “The Book of Martyrs” to *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. This book is a Bible study on the Gospel of Mark; a tool for exploring what is considered to be the first canonical Gospel written.

James P. Myers, Jr., Professor of English, published “Homeland Security in the Pennsylvania Backcountry, 1777-1778: The Example of the Reverend Mr. Daniel Batwelle, SPG” in *Pennsylvania History*, 78.3 (2011): 247-71. Focusing on the persecution of Loyalist Anglican minister Daniel Batwelle, the essay examines how the new anti-libertarian government of Pennsylvania sought to suppress dissent during the American Revolution in the crisis years of 1777-1778.

Joanne E. Myers, Assistant Professor of English, published “Defoe Project of ‘Neighbors Fare’” in *Restoration: Studies in English Literary Culture, 1660-1700*, 35.2 (2011): 1-19. This article argues that Daniel Defoe’s essay, *Upon Projects* (1695), works to imagine and restore neighborly connections amongst people increasingly distances from one another due to social and

economic changes in Restoration life. Although Defoe's novels are often understood to promote a typically modern individualism, his social-improvement projects present an alternative view of Defoe as committed to a robust sociability.

Myers also published "Gulliver's Travels" in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. In her essay about our well-worn, early edition of *Gulliver's Travels*, Joanne Myers unravels a mystery and identifies a literary fraud.

Todd W. Neller, Chair and Associate Professor of Computer Science, published "Rook Jumping Maze Generation for AI Education" in *Proceedings of the 24th International FLAIRS Conference (FLAIRS-2011)* (2011). Rook Jumping Maze design provides a number of good opportunities for experiential learning of AI concepts, including uninformed search, stochastic local search, machine learning, and objective/utility function design. In this paper Neller defines the maze and presents a collection of exercises that allow exploration of several AI topics in the context of an engaging, fun, and unifying task.

Robert T. Patierno, Jr., Adjunct Assistant Professor of Art and Art History, published *Robert Patierno: A Delight in Disorder* (Hagerstown, MD: Washington County Museum of Fine Arts, 2011). The painting, prints and drawings of Robert Patierno have been exhibited in galleries and museums throughout Europe and across the U.S. His work may be found in the permanent collection of The Royal Museum of Art in Antwerp, Belgium, as well as that of many universities, and it is sought after by both corporations and individual collectors. This month, "Robert Patierno: A Delight in Disorder" rolled off the presses just in time to debut at the opening of the artist's exhibition at the Washington County Museum of Fine Arts in Hagerstown, MD. The team at Spencer designed and oversaw the production of the book, which is receiving rave reviews.

Peter J. Pella, W. K. T. Sahm Professor of Physics, published *Nuclear Weapons Policy and Strategy: The Users of Atomic Energy in an Increasingly Complex World* (Little Rock, AR: Parker Brothers Publishing, 2011). This textbook provides the necessary scientific and technological background to understand the complex issues surrounding nuclear weapons and nuclear weapons policy.

Catherine Q. Perry, Archives Assistant at Musselman Library Special Collections, contributed "Alice's Adventures in Wonderland" to *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Perry describes a copy of a second edition *Alice in Wonderland* by Lewis Carroll from 1866.

Rutherford V. Platt, Associate Professor of Environmental Studies, with co-authors Tania Schoennagel, Thomas T. Veblen, and Rosemary L. Sherriff published "Modeling Wildfire Potential in Residential Parcels: A Case Study of the North-Central Colorado Front Range" in *Landscape and Urban Planning*, 102 (2011): 117-126. This study presents a new method for evaluating the potential wildfire behavior in fuel surrounding structures built in different eras in the Colorado Front Range.

David J. Powell, Assistant Professor of Education, published "Moving Forward, Looking Back: Renewing the Struggle for an American Curriculum" in the *Journal of Curriculum and Pedagogy*, 8.2 (2011): 1-19. At the turn of the twentieth century the formal school curriculum replaced teachers as the "educational center of gravity" in American schools. In this article, which is based on analysis of the work of two prominent historians of education and on various cultural and social factors that contributed to the rise of curriculum, Powell argues that returning teachers to their former place of prominence in schools could go a long way toward revitalizing both the profession of teaching and a formal curriculum that has, in many ways, become burdensome and outdated.

Powell also published “Eddie Plank’s Baseball” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Dave Powell writes about Gettysburg’s own Eddie Plank, “one of the greatest left-hand pitchers who ever lived.”

Sarah M. Principato, Chair and Associate Professor of Environmental Studies, published with Anders E. Carlson, Dawn M. Chapel, and David M. Mickelson “Quaternary Geology of Sheboygan County, Wisconsin” in *Wisconsin Geological and Natural History Survey Bulletin*, 106 (2011): 1-32. In this study, the authors document the glacial geology and climate history of Sheboygan County, Wisconsin during the Quaternary Period. Glacial ice repeatedly covered this area, and they also publish a detailed map of Sheboygan County.

Abdulkareem Said Ramadan, Assistant Professor of Interdisciplinary Studies, published “Prehistory to 1250: Languages” in *Cultural Sociology of the Middle East, Asia, and Africa: An Encyclopedia* (Sage Publications, 2012). This entry focuses on languages in the Middle East and North Africa, discussing their appearance, dissemination and development from prehistoric times until 1250 AD. It also discusses the circumstances that accompanied the spread of some of these languages—and the extinction of others—as well as the survival of some of them to modern times.

Kathryn Rhett, Associate Professor of English, published “Sanguine” in *Prime Number: A Journal of Distinctive Poetry and Prose*, 17 (2012). “Sanguine” is a brief personal essay about community blood drawing, followed by a Q&A.

Rhett also published “Wayward” in *Harvard Review*, 41 (2012): 73-82. “Wayward” is a personal essay about identity and transformation.

Janet Morgan Riggs, President of the College and Professor of Psychology, contributed “Portrait of Thaddeus Stevens” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Riggs wrote an essay about a handsome Thaddeus Stevens portrait by Jacob Eichholtz.

William E. Rosenbach, Professor Emeritus of Management, published with co-authors Robert L. Taylor, and Mark A. Youndt, *Contemporary Issues in Leadership, 7th Edition* (Boulder, CO: Westview Press, 2012). Now substantially updated, the seventh edition of this widely acclaimed anthology continues its popular interdisciplinary approach to the topic of leadership.

Richard Russell, Assistant Professor of Psychology, and Pawan Sinha published “A Perceptually Based Comparison of Image-Similarity Metrics” in *Perception*, 40.11 (2011): 1269-1281. This article evaluates two commonly used instances of the Minkowski metric L1 and L2 for use in image matching. The authors found that for natural images, the L1 metric better captures human notion of image similarity.

Russell with co-authors Garga Chatterjee and Ken Nakayama published “Developmental Prosopagnosia and Super-Recognition: No Special Role for Surface Reflectance Processing” in *Neuropsychologia*, 50 (2012): 334-340. This study evaluated and rejected the notion that variations in face recognition ability are caused primarily by variations in the ability to perceive surface reflectance properties.

Russell also published “Cosmetics Use: Psychological Perspectives” in the *Encyclopedia of Body Image and Human Appearance* (San Diego, CA: Academic Press, 2012) edited by Thomas Cash. This chapter reviews psychological research on the causes, context, and effects of makeup use.

John M. Rudy, Adjunct Instructor of Civil War Era Studies, published “Governor Wise’s War: Alfred E. Barbour and the Plot to Force Virginian Secession” in *The Harpers Ferry Anthology: Civil War Stories by Park Rangers and Volunteers* (Harpers Ferry, WV: Harpers Ferry Historical Association, 2011) edited by Cathy Baldau. Developed at the request of the Harpers Ferry Historical Association, this article investigates the tangled plot concocted by former governor Henry Wise in April of 1861 to force Virginia to secede from the Union.

Virginia E. Schein, Emerita Professor of Management and Psychology, with co-authors Anthony J. Marsella, Esther Wiesenfeld, Euclides Sánchez, Mary O’Neill Berry and Walter Reichman published “Women in Self-Organized Groups at Work: Do They Promote Agency and Reduce Poverty?” in the *Journal of Managerial Psychology*, 26.6 (2011): 508-521. In this Special Issue on Organizational Psychology and Poverty Reduction, the issue editors made Schein’s 2003 study of women and work in Nicaragua a focal point. In the article, she reiterates the rationale for her research and provides a brief overview of the original observations. To help expand the debate on gender, work and poverty, noted colleagues provide a series of commentaries on the original study and Schein offers concluding comments.

Schein also published “How Leaders and Companies Treat People Matters: Voices of Women Garment Assembly Workers in Nicaragua” in *Learning from Real World Cases - Lessons in Leadership* (Oxford, UK: RossiSmith Academic Publishing, 2011) edited by D.D. Warrick and Jens Mueller. This portrayal of the working lives of women in Nicaragua calls attention to the need for leaders to help not ignore or mistreat the disadvantaged. Working hours, factory conditions, earnings, and union benefits are among the topics presented in the women’s own words. The case is based on Schein’s interviews with 12 women employed in the garment assembly factories in the Free Zone in Managua, Nicaragua.

Timothy J. Sestrick, Instructor of Music and Music and Media Services Librarian, contributed “Spirit of Gettysburg” to *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Sestrick describes the piece “Spirit of Gettysburg,” a song performed in 1925, written by a professor of engineering, Bertram Saltzer.

Timothy J. Shannon, Chair and Professor of History, published “This Wretched Scene of British Curiosity and Savage Debauchery: Performing Indian Kingship in Eighteenth-Century Britain” in *Native Acts: Indian Performance in Atlantic America* (Lincoln: University of Nebraska Press, 2011) edited by Joshua Bellin and Laure L. Mielke. This essay explores the commercial and diplomatic forces surrounding the public performances of Indians and Indian impersonators in Britain, c. 1760-1800.

Shannon also contributed “New England Primer” to *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Shannon describes the *New England Primer*, a textbook from the 16th and 17th centuries. Editions of the book were found in Special Collections and have since been preserved on a website for student use.

Megan Adamson Sijapati, Assistant Professor of Religious Studies, published “Muslims in Nepal: The Local and Global Dimensions of a Changing Religious Minority” in *Religion Compass*, 5.11 (2011): 656–665. The study of South Asian Islam has expanded in recent decades to include communities and traditions on the margins of the political, cultural and religious centers of South Asia. However, only a small body of scholarship yet exists on the topic of Islam and Muslims in Nepal. This essay provides an overview of the history of Islam in Nepal and Nepal’s Muslim population, followed by a brief review of recent changes in Nepal’s religious and political identity that have created unprecedented opportunities and responsibilities for its minorities, including

Muslims. It then reviews the main areas of inquiry undertaken by the few studies on Muslims in Nepal, particularly Muslim identity, Hindu–Muslim conflict, and Islamic revivalism. This is followed by a discussion of contemporary Muslim organizations in Nepal. The essay concludes with thoughts on directions for future research in this rich, but underexplored, area.

Stephen M. Sivi, **Chair and Professor of Psychology**, and co-author Jaak Panksepp published “In Search of the Neurobiological Substrates for Social Playfulness in Mammalian Brains” in *Neuroscience and Biobehavioral Reviews*, 35.9 (2011): 1821-1830. This paper reviews progress that has been made in identifying the brain mechanisms of play behavior. In addition to discussing putative brain circuits for playfulness, this paper also discusses how increased insights into the neurobiological mechanisms of play can inform our understanding of normal and abnormal childhood development.

Sivi and co-authors Loren M. Deron and Chelsea R. Kasten published “Serotonin, Motivation, and Playfulness in the Juvenile Rat” in *Developmental Cognitive Neuroscience*, 1.4 (2011): 606-616. This article is based on the results of several experiments, concluded that selective stimulation of a particular type of serotonin receptor (5HT1A) changes the dynamic of a playful interaction between two participants that are differentially motivated to play. The results are discussed within a broader framework of serotonergic involvement in mammalian playfulness.

Stefanie E. Sobelle, **Assistant Professor of English**, published “Inscapes: Interiority in Architectural Fiction” in *Interstices*, 12 (2011): 59-67. At the end of the twentieth century, Mark Z. Danielewski presents the book object as in danger of extinction with the exponential rise of media technologies that potentially render the traditional book obsolete. Readers must learn to dwell anew in narratives presented by digital formats. Danielewski’s *House of Leaves* (2000) documents a family that moves into a house that expands internally, though externally it remains the same, an architectural impossibility that creates horror for its inhabitants. As much as *House of Leaves* articulates an impossible residence, through its interest in architecture it also affirms potentiality, challenging the reader to discover new modes of dwelling.

Sobelle edited *Gilbert Sorrentino and Mulligan Stew* a special issue of *The Review of Contemporary Fiction*, XXXI.2 (2011). Sobelle was commissioned by Dalkey Archive Press to edit a special issue of its journal, *The Review of Contemporary Fiction*, on the writer Gilbert Sorrentino; the issue includes an essay by her and others by well-known writers ranging from novelists, like Jonathon Lethem, to scholars, like Marjorie Perloff. In addition to contributing “*Mulligan Stew* and Gilbert Sorrentino’s Aesthetics of Failure: An Introduction” to the issue, Sobelle also contributed a bibliography, an introduction and a book review of Gary Indiana’s collection, *Last Seen Entering the Baltimore*.

Sobelle also published “The novel Architecture of Georges Perec” in *Writing the Modern City* (London: Routledge, 2011) edited by Sarah Edwards and Jonathon Charley. This essay focuses on Georges Perec’s use of the tension between the space for the page and the world described within it as a means for understanding post-colonial French identity in his novel *La Vie Mode d’Emploi*.

Barbara A. Sommer, **Associate Professor of History**, published “Adquirindo e defendendo os privilégios concedidos pela coroa no norte do Brasil” in *Raízes do Privilégio: Hierarquias Sociais no Mundo Ibérico do Antigo Regime* (Rio de Janeiro: Editora Civilização Brasileira, 2011) edited by Rodrigo Bentes Monterio, Bruno Feitler, Daniela Buono Calainho, and Jorge Flores, and translated by Ana Letícia Fauri. The Portuguese Crown awarded privileges and promotions to useful vassals in Amazonia, including Indian leaders and soldiers married to Indian women. These individuals, in turn, needed to constantly maintain and defend their honors in everyday life.

Sommer also contributed “The John H. W. Stuckenberg Map Collection” to *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg

College, 2011) edited by Robin Wagner and Sunni DeNicola. Barbara Sommer brings her Atlantic World class to Special Collections every year to examine the Stuckenberg Map collection.

Deborah A. Sommer, Associate Professor of Religious Studies, contributed “Confucius Pendant” to *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Sommer describes a favorite piece of hers in Special Collections, a 2 ½ centimeter jade Confucius pendant.

Roger Stemen, Emeritus Professor of History, wrote “The Photographs of Stephen Warner” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Stephen Warner ’68, whose photographs of the Vietnam War are on display in the library, was a student of Roger Stemen. Stemen’s essay discusses the impact of one particular photograph and reflects on knowing Stephen as a young anti-war activist.

Eileen Stillwaggon Professor of Economics and Harold G. Evans Chair in Eisenhower Leadership Studies, published with co-authors Larry Sawers and Alan G. Isaac “HIV and Concurrent Sexual Partnerships: Modeling the Role of Coital Dilution” in *Journal of the International AIDS Society*, 14.4 (2011): 1-9. Recent conventional wisdom holds that extremely high rates of HIV in sub-Saharan Africa are due to higher prevalence of concurrent sexual partnerships in the region than in the rest of the world. In a 2010 article, we demonstrated that empirical evidence does not support the ‘concurrency hypothesis.’ The current work uses agent-based stochastic simulation modeling to demonstrate that concurrency cannot explain the high prevalence of HIV in the region, using realistic parameters for risk of infection and frequency of sex.

Stillwaggon published “Racial Metaphors: The Background to Behaviour Modification Strategies for Fighting AIDS in Africa” in *Reclaiming the Human Sciences and Humanities Through African Perspectives* (Accra, Ghana: Sub Saharan Publishers, 2012) edited by Helen Lauer and Kofi Anyidoho. The compilation, which presents African perspectives on social and political questions, includes chapters by Chinua Achebe, Emmanuel Akyeampong, Samir Amin, Kwame Appiah, Mamadou Diouf, Mahmood Mamdani, and others.

Stillwaggon also published with co-authors **Christopher S. Carrier (’10)**, Mari Sautter, and Rima McLeod “Maternal Serologic Screening to Prevent Congenital Toxoplasmosis: A Decision-Analytic Economic Model” in *PLoS Neglected Tropical Diseases*, 5.9 (2011): 1-17. This article builds on the work that Chris Carrier and Eileen Stillwaggon carried out under his Andrew W. Mellon Foundation summer grant and that became his senior honors thesis in Economics. Along with medical researchers at the University of Chicago, the authors developed the template for a decision analysis for prenatal screening and treatment for maternal toxoplasmosis infection. Using clinical and published data for risk of maternal infection, risk of congenital transmission, probability and degree of injury, effectiveness of treatment, and other variables, the authors **applied the model to the US population, finding that prenatal screening not** only would save thousands of newborns from congenital injury but could also save \$4 billion annually.

Michael T. Strickland, Assistant Professor of Physics, with co-authors Jens O. Andersen, Lars E. Leganger, and Nan Su published “NNLO Hard-Thermal-Loop Thermodynamics for QCD” in *Physics Letters B*, 696.5 (2011): 468-472. In this paper, Strickland and collaborators perform the first fully resumed three-loop calculation of the thermodynamic functions of quantum chromodynamics (QCD). They demonstrate that the calculation is stable with respect to higher order QCD corrections and find excellent agreement between their analytic result and brute-force numerical calculations.

Strickland with Andreas Ipp and Anton Rebhan published “Non-Abelian Plasma Instabilities: SU(3) Versus SU(2)” in *Physical Review D*, 84.056003 (2011): 1-7. This article presents the first 3+1 dimensional simulations of non-Abelian plasma instabilities in gauge-covariant Boltzmann-Vlasov equations for the QCD gauge group SU(3) as well as for SU(4) and SU(5). The authors find that the numerically less expensive calculations using the SU(2) gauge group essentially reproduce the nonperturbative dynamics of non-Abelian plasma instabilities with higher rank gauge groups provided the mass parameters of the corresponding hard-loop effective theories are adjusted to be the same.

Strickland published “Thermal Bottomonium Suppression at RHIC AND LHC” in *Nuclear Physics A*, 879 (2012): 25-58. In this paper, Dr. Strickland and Gettysburg College senior **Dennis Bazow** considered the suppression of bottomonium states in ultrarelativistic heavy iron collision. They computed the suppression as a function of centrality, rapidity, and transverse momentum for the states $\psi(1s)$, $\psi(2s)$, $\psi(3s)$ and χ_{b2} and demonstrated excellent agreement between theory and experiment.

Strickland also published “Thermal Upsilon(1s) and χ_{b1} Suppression in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb Collisions at LHC” in *Physical Review Letters*, 107.13 (2011): 1-12. This article computes the thermal suppression of the Upsilon(1s) and χ_{b1} states in $\sqrt{s_{NN}}=2.76$ TeV Pb-Pb collisions. Using the suppression of each of these states Strickland estimates the total suppression for the Upsilon(1s) state as a function of centrality, rapidity, and transverse momentum. Strickland finds less suppression of the χ_{b1} state than would be traditionally assumed; however, his final results for the total Upsilon(1s) suppression are in good agreement with recent LHC data.

Kristin J. Stuempfle, Co-Chair and Professor of Health Sciences, with co-authors M.D. Hoffman, L.B. Weschler, I.R. Rogers, and T. Hew-Butler published “Race Diet of Finishers and Non-Finishers in a 100 Mile (161 km) Mountain Footrace” in *Journal of the American College of Nutrition*, 30 (2011): S29-S35. This study examined the nutritional needs of runners competing in a 100 mile ultramarathon.

Stuempfle also published with Martin D. Hoffman, Julie L. Ingwersen, Ian R. Rogers, and Tamara Hew-Butler “Increasing Creatine Kinase Concentrations at the 161-km Western States Endurance Run” in *Wilderness and Environmental Medicine*, 23 (2012): 56-60. Rhabdomyolysis (muscle breakdown) and hyponatremia (low blood sodium) are two serious conditions that can occur during prolonged physical activity. The purpose of this paper was to examine the incidence and possible link between these two conditions during a 100 mile trail run.

Yan Sun, Associate Professor of Art and Art History, edited with Cao Wei a research volume entitled *Shang Bronzes from Hanzhong* (Chengdu: Bashu Press, 2011). This research volume includes papers written by twelve scholars including Yan Sun from China, United States and England. The contributors are from a variety of disciplines including history, art history, archaeology, paleography and archaeometallurgy. Gettysburg College’s generous support for the English editing of the book is acknowledged.

Sun also wrote “Ancient Chinese Ritual Objects” for *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Yan Sun writes about teaching with the ancient Chinese ritual objects in the Asian art collection.

Brent C. Talbot, Assistant Professor and Coordinator of Music Education at the Sunderman Conservatory of Music, published with Margaux B. Millman “Discourses Surrounding Marginalized Groups, LGBTQ Issues, and Music Learning and Teaching Practices

in Season 1 of Glee” in *Bulletin of the Council for Research in Music Education*, 188 (2011): 51-57. This research was published in the conference proceedings from the conference titled: “Establishing Identity: LGBT Studies and Music Education” held at the University of Illinois, May 23-26, 2010. It examines the TV show *Glee* and its impact on LGBTQ issues and the field of music education.

Donald G. Tannenbaum, Associate Professor of Political Science, published a third edition of his *Inventors of Ideas: An Introduction to Western Political Philosophy* (Boston: Wadsworth/Cengage Learning, 2012). With this third edition, Professor Tannenbaum assumes full authorship of what was previously a co-authored work. More than half of the third edition consists of completely new material, and the balance has been extensively revised for this edition. Professor Tannenbaum commends three students in the preface to the book: **Alexander Skufca (‘13)**, who did extensive bibliographic research, **Calynn Dowler (‘10)**, who prepared a total of 14 illustrations under his direction, and **Kathleen Landis (‘14)** who adapted an original illustration.

Lucas B. Thompson, Assistant Professor of Chemistry, published with Rony S. Khnayzer, Lucas B. Thompson, Mikhail Zamkov, Shane Ardo, Gerald J. Meyer, Catherine J. Murphy, and Felix N. Castellano “Photocatalytic Hydrogen Production at Titania-Supported Pt Nanoclusters That Are Derived from Surface-Anchored Molecular Precursors” in *Journal of Physical Chemistry C* (2011). In this work we studied how the deposition of platinum nanoparticles from molecular precursors affects the hydrogen gas evolution of these supported catalysts. It was found that the smaller (~1.5 nm) particles at 1-2 % loadings were the most effective at reducing protons into hydrogen.

Baird L. Tipson, Adjunct Professor of Religious Studies, contributed a piece entitled “Portrait of Martin Luther” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Tipson describes a portrait of Martin Luther by Lucas Cranach the Elder from the 16th Century.

Beatriz M. Trigo, Assistant Professor of Spanish, published “Una Relación Incómoda: El Bilingüismo en la Narrativa Gallega Actual” in *Un Hispanismo Para el Siglo XXI : Ensayos de Crítica Cultural* (Madrid: Biblioteca Nueva, 2011) edited by Rosalía Cornejo-Parriego and Alberto Villamandos. This article studies the situation of bilingualism (Galizan/Castilian) in the narrative of Galiza through the analysis of several novels by three women writers. It focuses on the reception of their works both by the Galizan and the Castilian literary establishment, as well as the political meaning that the use of one or other language entails.

Trigo also published “La Narrativa de Enigma Fantástico-Metafísica en Tres Novelas Gallegas” in *Cuaderno Internacional de Estudios Humanísticos y Literatura*, 16 (2011): 262-71. This article studies the detective novel in Galizan narrative, and how this genre has been innovated by the inclusion of fantastic aspects that help to create a metaphysical dimension to these works.

James N. Udden, Associate Professor of Interdisciplinary Studies, published “Movie Posters” in *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. 50-51. Udden described the Cooper collection in Special Collections. This is a series of kits containing ads designed for newspapers, TV and radio; giveaways such as buttons and photos; suggested promotional ideas and posters. In the 1960s, Cooper donated dozens of these kits promoting the major films of the 1940s and 50s.

Robin Wagner, Director of Library Services, with Sunni DeNicola, Cataloging Assistant, Musselman Library, edited *30 Treasures, 30 Years: Stories from the Musselman Library*

Collection (Gettysburg, PA: Musselman Library, Gettysburg College, 2011). This is a collected volume of works by various Gettysburg College faculty and administration. Wagner wrote the introduction to the volume outlining the various works presented in it.

Leslie V. Wallace, Visiting Assistant Professor of Art and Art History, published “The Ends of the Earth: The Xiongnu Empire and Eastern Han (25-220 CE) Representations of the Afterlife from Shaanxi and Shanxi” in *International Journal of Eurasian Studies* (2011): 232-258. This article examines how imagery associated with the Xiongnu Empire was incorporated into murals decorating tombs in Shaanxi and Shanxi in the first and second centuries CE.

Kerry S. Walters, William Bittinger Professor of Philosophy, published *The Underground Railroad* (Santa Barbara, CA: ACB-CLIO, 2012). The book is a history of the Underground Railroad, the first widespread interracial and mainly nonviolent campaign of civil disobedience in the U.S. Traces of history of the movement from early slave resistance to slave refugee settlements in Canada can be found in the book and it also includes an appendix of primary documents.

Michael R. Wedlock, Chair and Associate Professor of Chemistry, contributed “A Manual of Chemistry” to *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. Michael Wedlock shows us how an ordinary looking 19th-century chemistry manual links to a sensational Boston homicide.

Denise L. Weldon-Siviy, Acquisitions Associate at Musselman Library, published “Coming Out of the Web Closet” in *Curve* (2011): 26-27. This article looks at the implications of being “out” on social media such as Facebook for GLBT individuals. Particular attention is paid to understanding privacy settings with explanations that many GLBT Facebook users are out on Facebook, they just don’t know it because they don’t understand their privacy settings. *Curve* is self-advertised as the “best-selling lesbian magazine.”

Christopher J. Zappe, Provost of the College and Professor of Management, contributed “Portrait of Jeremiah Zimmerman” to *30 Treasures, 30 Years: Stories from the Musselman Library Collection* (Gettysburg, PA: Musselman Library, Gettysburg College, 2011) edited by Robin Wagner and Sunni DeNicola. A portrait of Jeremiah Zimmerman is the topic of the essay in this volume by Christopher Zappe. The library collection includes many antique Bibles; our oldest dates from 1475. It was printed in Venice and was a gift of Zimmerman, class of 1873.

REVIEWS

Marie-Jo Binet, Associate Professor of French, reviewed *Welcome* (2009), a film by Philippe Lioret, in *The French Review*, Vol. 85, No. 1 (October 2011): 188-189. This review of *Welcome* acknowledges Lioret’s documentary work in a film that is both informative and artistic. It shows how the film techniques and the careful composition achieve a remarkable balance between intense realism and effective use of visual and musical metaphores.

Felicia Else, Associate Professor of Art and Art History, reviewed Cesare S. Maffioli’s *La via delle acque (1500-1700): Appropriazione delle arti e trasformazione delle matematiche* (Florence: Leo S. Olschki, 2010) for *Renaissance Quarterly*, 64/3 (Fall, 2011): 933-934. This book review assesses the content and quality of an Italian study of the appropriation of the mechanical arts by practitioners of mathematics in the sixteenth to seventeenth century.

Janet Powers, Professor Emerita of Interdisciplinary Studies and Women, Gender and Sexuality Studies, reviewed *Generation in Waiting: the Unfulfilled Promise of Young people in the Middle East* (Brookings Institution, 2009) edited by Navtej Chillon and Tarik Yousef in *Peace Review*, Vol. 23 (2011): 572-575. Tackling the demographic bulge in each of eight Muslim countries, this work recommends changes needed to address the problem of frustrated young people who although well educated, cannot find jobs or start families.

Powers also reviewed *Contesting Justice: Women, Islam, Law and Society* (SUNY Press, 2008) by Ahmed E. Souaiaia in *Religion*, Vol. 41 (2011): 487-489. Powers commends Souaiaia's examination of laws involving polygamy and inheritance but notes that just interpretation of Quranic law will require inspired leadership.

Kathryn Rhett, Associate Professor of English, reviewed Mary Jane Nelson's *Beautiful Unbroken: One Nurse's Life in Tikkun*, 26 (4): 32.

Stefanie Sobelle, Assistant Professor of English, reviewed Raymond Roussel's *Impressions of Africa*, translated by Mark Polizzotti, in *Words Without Borders*, Fall 2011. This review examines a new translation (from the French) of Roussel's complex and madcap novel about a pageant performed by shipwrecked passengers on a fictional African coast.

PROFESSIONAL PAPERS AND PRESENTATIONS

Matthew H. Amster, Associate Professor of Anthropology, presented a paper co-authored with Mads Daugbjerg entitled "Experiments in time: Reenactment, the museum, and the uncomfortable in-between" at the seminar "Living history and Re-enactment: Entertainment, a social tool to make the past present, or something else?" at the Moesgård Museum, Højbjerg, Denmark on February 9, 2012.

Amster also presented a paper entitled "Tripping through time or controlled frenzy? A discussion of immersion in Civil War and Viking Reenacting" as part of the panel "The Neuroanthropology of Dissociation, Absorption, and Embodiment: Research in Ritual, Play, and Entertainment" at the American Anthropological Association annual meeting in Montreal, Canada, November 17, 2011.

Rimvydas Baltaduonis, Assistant Professor of Economics, participated in the panel discussion titled "Talking About Energy: Making Science Simpler" at the Energize Our Future Conference in Houston, Texas on December 2, 2011. The 27th International Gay & Lesbian Leadership Conference brought together hundreds of openly LGBT leaders in government, politics, advocacy, business and community organizations from around the world to discuss key issues facing out leaders and their communities.

Baltaduonis gave a presentation on the deregulation of retail electricity markets and the development of smart grids to the National Control Commission for Prices and Energy in Vilnius, Lithuania, on December 21, 2011. Baltaduonis shared his latest research related to these developments in the energy markets that he conducted in the U.S. and Australia.

Baltaduonis was invited to demonstrate his laboratory economics experiments and to teach few lectures on energy economics at the University of Economics in Prague (Vysoka Škola Ekonomická v Praze), Czech Republic, December 10-15, 2011. The visit was organized by the Laboratory of Experimental Economics (LEE) in the Faculty of Economics and Public Administration at the University of Economics in Prague

Baltaduonis delivered an invited seminar at CERGE-EI in Prague, Czech Republic, on December 13, 2011. The talk was focused around the paper titled “Valuation Structure in First-Price and Least-Revenue Auctions: An Experimental Investigation” and coauthored by Diego Aycinena and Lucas Rentschler. The paper discusses the relative efficiency as well as the prevalence of the winner’s curse in both types of auctions

Baltaduonis presented a paper entitled “Flicking the Switch: Retail Demand-Side Response under Alternative Electricity Pricing Contracts,” coauthored by Tihomir Ancev, Tim Capon and **Taylor Smart (’13)**, at the Economic Science Association meetings in Tucson, Arizona, on November 12, 2011, and at the Eastern Economic Association Annual Conference in Boston, Massachusetts, on March 9, 2012. This paper investigates the market efficiency under alternative retail electricity pricing contracts as well as the effectiveness of those pricing arrangements in facilitating efficient demand-side response to supply-side cost shocks.

Baltaduonis presented a paper entitled “Selling What You May Not Have: Auctions Under Production Uncertainty,” coauthored by Tim Capon, Jason Crean and Andrew Reeson, at the Southern Economic Association 81st Annual Conference in Washington, D.C., on November 19, 2011. The paper discusses market-based instruments as a way to provide incentives to landholders for soil carbon sequestration.

Baltaduonis taught at the annual seminar for the state public utility commissioners and their staff, organized by the Institute for Regulatory Law and Economics (IRLE), in Aspen, Colorado, May 21-25, 2011. IRLE is sponsored by the University of Colorado Silicon Flatirons Center as a means of supporting thoughtful regulatory decision-making. The participants get exposed to new developments in economics and law sciences. Dr. Baltaduonis was responsible for the experimental economics part of the curriculum.

Clinton Baugess, Reference & Instruction Librarian with Amy Ward, Head of Cataloguing, Musselman Library, presented a paper entitled “Going Mobile with Lincoln: Cost Effective Marketing for a Library’s Mobile Site” at the annual conference of the Pennsylvania Library Association, State College, PA on October 3, 2011. The presentation used Musselman Library’s mobile website marketing campaign as a case study for libraries interested in marketing mobile services to library users. The presentation focused on quick ways to identify user populations, creating targeted promotional materials for different user profiles, and conducting assessment for mobile marketing efforts with minimal staff time and cost.

Temma Berg, Graeff Professor of English, presented a paper entitled “Becoming a Professional Woman: The Career of Elizabeth Hamilton” at the 42nd Annual Meeting of the East-Central American Society for Eighteenth-Century Studies on November 5, 2011. The paper examines the question of what it might have meant to be a “professional woman” in the eighteenth century and speculates that Hamilton, like many other learned eighteenth-century women, juggled two definitions of the term: 1) a woman practicing a profession (lawyer, doctor, scholar) and 2) turning womanhood itself into a profession.

Michael J. Birkner, Professor of History and Benjamin Franklin Professor of Liberal Arts, delivered a lecture on April 4 entitled “More to Induce Than Demand’: Eisenhower and Congress” as part of a lecture series on the 34th president sponsored by Camden County College’s Center for Civic Leadership and Responsibility. The lecture re-examined the conventional wisdom that as president Eisenhower remained largely aloof from the legislative process. Birkner described the various ways in which Eisenhower used the tools at his command (the bully pulpit, negotiations, and one-on-one persuasion) to accomplish his objectives in specific instances, ranging from enacting legislation he sought (including the Highway Act, Foreign Aid, the 1957 Civil Rights

bill, and the unification of the military services) to blocking what he considered to be unwise initiatives such as the Bricker Amendment. The lecture concluded that far from being on autopilot in the White House, as some scholars have maintained, Eisenhower was an engaged and effective chief executive with a strong scorecard of legislative success, even as he worked for six of his eight years in office with a Democratic majority in the Congress

Judith Brough, Professor Emerita of Education, and Molly K. Gale ('05), history major, education minor and current eighth grade American History teacher in Michigan, co-presented a professional workshop at the annual conference of the Association for Middle Level Education in Louisville, KY on November 12, 2011. The session, "Reducing the Risk, Increasing the Promise," was based on Brough's recently published book of the same title. Brough presented the background information, research, and theory regarding motivation and best practices for school improvement. Gale coordinated strategies that involved participants in linking theory and practice that would optimize learning for at-risk young adolescents.

Ronalee Ciocco, Director of User Services, Natalie Hinton, Assistant Director of User Services, and Kaitlyn Lyons, Extended Operations Specialist, Musselman Library, delivered a presentation at the Pennsylvania Library Association Conference on October 4, 2011 in State College, PA. The presentation, titled "Gaining Insight: Discover Your Patron's Viewpoint," discussed tools to gauge the user experience, how to choose the appropriate tool, and how to analyze the input you receive.

Zach Coble, Systems and Emerging Technologies Librarian, Musselman Library, presented "Using Omeka to Create a Simple and Elegant Digital Library" with Brian Cain at the Missouri Library Association Annual Conference in Kansas City, Missouri in October 2011. The talk used KOPN 89.5 FM's Reel-To-Reel Project as a case study to explain how libraries and other cultural institutions can use the Omeka web platform to organize and publish their collections.

John Commito, Professor of Environmental Studies, with co-authors Brittany Jones (ES '12) and Mitchell Jones (ES '12) presented "Go with the Flow: Biogenic Structure Types Alter Bedload Transport and Dispersal Dynamics of Macrofauna and Meiofauna in Maine Mussel Beds" at the Benthic Ecology Meeting in Norfolk, Virginia. This project examined the effects of structural seafloor "roughness elements" on small-scale hydrodynamic processes in the Gulf of Maine. The authors showed that mussel bed topography significantly alters flux rates of sediment and invertebrate animals, with implications for carbon sequestration and the maintenance of seafloor biodiversity.

Commito with co-authors Brittany Jones (ES '12) and Mitchell Jones (ES '12) presented "Mussel Beds Are Mostly... Mud and Shells, not Mussels! Ecosystem Engineer Cover Types Alter Sediment, Macrofauna, and Meiofauna in Maine, USA" at the Benthic Ecology Meeting, Norfolk, Virginia on March 22, 2012. The research characterized the spatial distribution of mussel bed biogenic structure - live mussels, empty shells, and fragmented shell material. It demonstrated significant impacts of this augmented habitat complexity on sediment characteristics and the biodiversity of seafloor organisms that inhabit the Gulf of Maine coastal zone.

Connie Devilbiss, Adjunct Professor of Sociology, delivered the September 11, 2011 sermon at All Saints' Episcopal Church in Frederick, Maryland (www.allsaintsmd.org).

Cecilia Diniz Behn, Assistant Professor of Mathematics, delivered an invited lecture at the Congress of the World Sleep Federation in Kyoto, Japan, October, 17, 2011. Diniz Behn was invited by the conference organizers as a participant in a session on Mathematical Modeling of Sleep-Wake Behavior. The lecture, titled "Insights from mathematical modeling of sleep-wake

behavior,” considers the symbiotic role between mathematical and experimental approaches to investigating sleep-wake behavior. The Congress of the World Sleep Federation meets once every four years and brings together all who have a passion for sleep research and care of patients with sleep disorders into one venue to network their ideas and opinions.

Shannon Egan, Director of the Schmucker Art Gallery, delivered an invited lecture at Lebanon Valley College on February 23, 2012. The lecture, titled “Artists Look Like This: Arnold Newman’s Portraits,” examines photographer Arnold Newman’s portraits of notable artists of the twentieth century, including Jackson Pollock, Marcel Duchamp, and Man Ray, among others. The presentation was held in conjunction with the exhibition “Arnold Newman: Luminaries of the Twentieth Century in Art, Politics and Culture” at the Suzanne H. Arnold Art Gallery, Lebanon Valley College.

Felicia Else, Associate Professor of Art and Art History, delivered a conference paper at the Sixteenth Century Studies Annual Conference at Fort Worth, Texas in October, 2011. Else’s paper was titled “Puffer Fish, Sturgeon and Trout: Duke Cosimo I de’Medici, Bachiacca and the Consuming Culture of Fish.” This paper focuses on the consumption and portrayal of fish at the Granducal court of the Medici in Florence. This study identifies species of fish on a sixteenth-century tapestry by Bachiacca, including one of the first images of a puffer fish in the Renaissance.

Shelli Frey, Assistant Professor of Chemistry, with co-authors Luke Cuculis (‘12), Nicole Meredyth (‘11) presented a poster at the Biophysical Society Annual Meeting entitled “Nanoparticle and surfactant interactions with model cell membranes” in San Diego, California in February 2012. Due to their small size, nanoparticles (NPs) have the ability to penetrate cell membranes, and are therefore classified as potential human carcinogens. This penetration behavior also proves useful for drug delivery and gene therapy applications prompting a need to more thoroughly characterize NP/membrane interactions. Here, the authors explore the role of detergents in controlling nanoparticle/cell membrane interactions.

Frey with co-authors Karlina Kauffman (‘12), Kathleen A. Burke, Justin Legleiter, presented a poster at the Biophysical Society Annual Meeting entitled “The role of protein context in disease-related huntingtin protein/lipid interface interactions,” in San Diego, California in February 2012. Huntington’s disease (HD) is a neurodegenerative disorder caused by an expansion of a poly-glutamine (poly-Q) region near the N-terminus of the huntingtin (htt) protein. The disease is characterized by inclusion body aggregates of mutated protein. This work investigated the effects of the flanking peptide regions on this aggregation process.

Timothy Funk, Assistant Professor of Chemistry, with co-authors Daniel Kim (‘12) and Jessica Drake (‘11) authored a poster entitled “Oppenauer-Type Oxidations Using an Air-Stable, Nitrile-Ligated (Cyclopentadienone)iron Catalyst.” The poster was presented by Daniel Kim at the 243rd American Chemical Society National Meeting in San Diego, California in March 2012. This poster describes how our nitrile-ligated (cyclopentadienone)iron dicarbonyl compounds catalyze a variety of oxidative transformations.

Funk delivered an oral presentation entitled “Development of Air-Stable, Iron-Based Shvo-Type Catalysts” at the 243rd American Chemical Society National Meeting in San Diego, California in March, 2012. In this presentation Dr. Funk talked about his efforts over the last couple of years to develop an air-stable iron catalyst for reductive and oxidative transformations that has a similar reactivity to an analogous ruthenium catalyst.

Funk along with co-authors **Taylor Plank (‘12) and Jessica Drake (‘11)** authored a poster entitled “Air-Stable, Nitrile-Ligated, Iron-Based Shvo-Type Compounds as Transfer Hydrogenation Catalysts.” The poster was presented by Taylor Plank at the 243rd American Chemical Society

National Meeting in San Diego, California in March 2012. This poster describes their development of nitrile-ligated (cyclopentadienone) iron dicarbonyl compounds and their applications to a variety of reductive transformations.

Nathalie Goubet, Associate Professor of Psychology, and Danielle Willis ('11) presented a poster on November 10, 2011, at the 44th Annual Meeting of the International Society for Developmental Psychobiology in Washington, DC. The poster described research exploring children's identification of emotions, in particular disgust, and was titled "Recognition of facial expression in 5 to 9 year old children."

Goubet and Ellen Shupe ('11) presented a poster on November 10, 2011 at the 44th Annual Meeting of the International Society for Developmental Psychobiology in Washington, DC. The poster described research on how an ambient novel odor enhanced 3rd graders' memory for words, and was titled "The effect of olfactory context on 3rd graders' memory."

Goubet and seven other co-authors presented a poster titled "Olfactory modulation of visual behavior in 4 month-old infants: Maternal odor affects visual exploration and enhances preference for mothers' face" at the 44th annual meeting of the International Society for Developmental Psychobiology on November 10, 2011 in Washington DC. This work highlights the importance of the olfactory context in 4 month-old infants. Smelling Mom's odor increased infant's attention to her face.

J. Matthew Kittelberger, Assistant Professor of Biology, with co-authors J.M. Kittelberger, E.K. Heisler and A.K. Allen, presented a poster entitled "Dopamine injections to the midbrain periaqueductal gray rapidly and reversibly inhibit vocal production in a teleost fish" at the annual meeting of the Society for Neuroscience in Washington, DC, on November 14, 2011. The periaqueductal gray (PAG) is a midbrain area known to be involved in initiation of so-called "emotional-motor" behaviors, such as aggression, flight, and courtship, and vocalizations reflecting these behaviors, across species, yet little is known about the modulation of electrical activity in the PAG that elicits switching between these different behaviors. As a step toward elucidating this question, we show that the neurotransmitter dopamine injected to the PAG rapidly and reversibly inhibits PAG-dependent vocal production.

Jackie Milingo, Associate Professor of Physics and Astronomy, presented a colloquium at the Rochester Institute of Technology titled "Rotational Modulation and Cyclic Activity in Spotted Stars". During this colloquium Prof. Millingo discussed Gettysburg's involvement in the National Undergraduate Research Observatory and how student and faculty efforts have generated a very valuable collection of data that can be used to understand magnetic activity in stars like our sun. Prof. Millingo presented the most recent compilation of data and analysis for one of the stars in this study.

Milingo with co-author **Dr. Laurence Marschall, Professor of Physics**, published "Rotational Modulation, Shear, and Cyclic Activity in HII 1883" in the International Astronomical Union conference proceedings of Symposium #273 - The Physics of Sun and Star Spots. This is a written overview of a talk that Dr. Millingo gave at IAUS 273. The work pulls together nearly 30 years of observations of the magnetically active spotted star HII 1883. This work is based on observations made at the National Undergraduate Research Observatory in collaboration with Dr. Laurence Marschall (Gettysburg College), Dr. Steven Saar (Harvard-Smithsonian Center for Astrophysics), and numerous students.

Milingo presented a contributed poster titled "Further Exploration of Galactic Disk Abundance Gradients" at the International Astronomical Union Symposium #283 - Planetary Nebulae: An Eye to the Future. The conference took place in Puerto De La Cruz, Tenerife (Spain). This is continued work on chemical abundance analysis of our Milky Way Galaxy via the composition of a class of objects known as planetary nebulae.

Kenneth Mott, Professor of Political Science, with co-authors Joshua Carmel ('13) and Rose Kane ('13) co-authored a paper, "The Establishment Clause, the Standing Issue, and WINN: Whither the Court?" that was delivered at the November, 2011 Annual Meeting of the Northeastern Political Science Association in Philadelphia, Pennsylvania. Students Joshua Carmel and Rose Kane have shared a strong interest in the development of Establishment Clause jurisprudence since taking a FYS with Professor Mott several years ago. The Supreme Court case, *Arizona Christian School Tuition Org. v. Winn*, decided last spring, provided an excellent opportunity to track and analyze the most recent refinements in that area. All three authors participated equally in writing the paper, and Josh made the formal oral presentation to an enthusiastic audience.

Todd Neller, Chair and Associate Professor of Computer Science, chaired both the FLAIRS-2011 special paper track on Artificial Intelligence (AI) Education (<http://cs.gettysburg.edu/~tneller/flairs11>) and the EAAI-2011 session on Model AI Assignments (<http://modelai.gettysburg.edu/>). Neller has been chairing the FLAIRS track since 2004, and the EAAI session since 2010 as a founding organizer.

Neller presented "Clue Deduction: an introduction to satisfiability reasoning," selected as one of three Model Artificial Intelligence (AI) Assignments through blind peer review in the Model AI Assignments session at the 2nd Symposium on Educational Advanced in Artificial Intelligence (EAAI-2011). The project presented uses the popular classic board game Clue to teach basic concepts of propositional reasoning as students create an expert Clue reasoning system.

Heather Odle-Dusseau, Assistant Professor of Management, with co-authors T.M. Greene-Shortridge and T.W. Britt presented "Domain-specific predictors of organizational support, supervisor support, and family support" at the Predictors of Social Support Symposium at the 9th International Conference on Occupational Stress and Health in Orlando, Florida. This presentation outlined their examination of how family-specific predictors (family satisfaction, quality of life) predicted perceptions of family support, and how organizational-specific predictors (job satisfaction, organizational commitment) predicted perceptions of organizational social support. While organizational-specific variables predicted organizational support across time, both organizational and family variables predicted perceptions of family support across time.

Voon Chin Phua, Associate Professor of Sociology, with co-authors Elizabeth Jones presented "Marketing Ethnicity in Tourism: Chinatowns as Tourist Attractions" at the University of West Indies 2nd International Tourism Conference, Tourism, Culture and the Creative Industries: Exploring the Linkages, St. Augustine, Trinidad in January 2012. Combining Urry's concept of a tourist gaze and the contestable idea of ethnic authenticity as a framework, the authors examine how Chinatowns are being marketed as tourist attractions and how tourists perceive their experiences in these sites.

Bassam Romaya, Visiting Assistant Professor of Philosophy, presented a paper entitled "The Void in and as Visual Art" at a session for the Society for the Philosophic Study of the Contemporary Visual Arts, during the American Philosophical Association Central meetings in Chicago, Illinois on February 17, 2012. The paper analyzes the philosophical dimensions of the void, as the concept is used in a variety of contemporary visual arts.

Jack Ryan, Vice Provost and Associate Professor of English, presented a poster detailing the College's Seminar/First Year Experience pilot program at the SoTL Commons conference for the scholarship of teaching & learning, which was held at Georgia Southern University, March 7-9, 2012. While labor-intensive for faculty and their College Life partners, Seminar/FYE acknowledges that an awareness of student social culture can support our academic mission. Seminar/FYE fosters a campus culture that values academic rigor, supports students as they

cultivate their intellectual and civic passions, and promotes the development of healthy social relationships and behaviors.

Carolyn S. Snively, Professor of Classics, presented “The Basilica on the Terrace at Golemo Gradište, Konjuh: Excavations 2009-2011,” at the 37th Annual Byzantine Studies Conference, DePaul University, Chicago, 20-23 October 2011. This paper consisted of a presentation of the church, probably the Episcopal Basilica, on the northern terrace at the anonymous Late Antique city near the village of Konjuh, R. Macedonia.

Snively presented “The Cities of Northern Macedonia and Dardania after the Sixth Century,” at NGO “Aimos” seminar, Transfigurations of Byzantine Urban Landscapes (Sixth – Ninth Centuries), Thessaloniki, 19 November 2011. This conference dealt with urban settlements in the Balkans that either survived the collapse at the end of the 6th century or were established as new towns after the 6th century. The situation during the seventh to ninth centuries in Macedonia includes a few surviving cities and new towns established by the Slavs.

Snively also delivered a paper titled “Excavation in the Late Antique City at Golemo Gradište, Konjuh, 2010-2011,” at the annual meeting of the Archaeological Institute of America, Philadelphia, 5-8 January 2012. The paper was an archaeological field report; it described the activities of the 2010 and 2011 excavation seasons of the Gettysburg College and Museum of Macedonia project at Konjuh. Investigation was focused on the northern residence and the Christian basilica on the terrace, i.e., in the lower town.

Eileen Stillwaggon, Professor of Economics and Harold G. Evans Chair in Eisenhower Leadership Studies, delivered a lecture on January 20, 2012 in the Global Health Matters monthly seminar series at the Center for Global Health of the Centers for Disease Control and Prevention in Atlanta, GA. She discussed her research on HIV/AIDS and its interactions with diseases that are widespread in sub-Saharan Africa, including malaria, schistosomiasis, and soil-transmitted helminthes.

Stillwaggon gave the keynote address for World AIDS Week at Colorado College, on November 29, 2011. Her talk was titled “30 Years of AIDS: What do we know about HIV in sub-Saharan Africa?” She discussed the failure of HIV prevention that is based on a behavioral model, for which empirical evidence is lacking, and presented biomedical models that explain better the high levels of HIV in the region.

Stillwaggon presented “A Decision-Analytic Economic Model for Prevention of Congenital Toxoplasmosis” at Faculdade de Medicina, Universidade Federal de Minas Gerais, Belo Horizonte on October 24, 2011. Professor Stillwaggon presented the results of her recent research on congenital toxoplasmosis, which she published with Gettysburg alumnus, **Christopher S. Carrier (Economics, ‘10)** and two colleagues from the University of Chicago.

Stillwaggon presented “STI-HIV Trials: Rush to judgment,” AIDS Impact Conference, Santa Fe, NM. Observational studies and clinical experience demonstrate that sexually transmitted infections (STI) increase the risk of transmission and acquisition of HIV, but randomized controlled trials of STI treatment have not shown a significant reduction in HIV incidence. Stillwaggon conducted a systematic review of STI-HIV trials and concluded that the evidence does not support excluding STI treatment from HIV-prevention protocols.

Michael Strickland, Assistant Professor of Physics, presented “Quantum Chromodynamics at Five Trillion Degrees Kelvin” at Universidade Federal de Santa Catarina, Florianopolis Brazil, on April 13, 2012. Dr. Strickland delivered an invited colloquium at the Universidade Federal de Santa Catarina. He spoke about the effort to recreate conditions that existed in the early universe using ultrarelativistic heavy ion collisions and the theoretical tools necessary to understand matter at such insanely hot temperatures.

Strickland presented “Quantum Chromodynamics at Five Trillion Degrees Kelvin” to Kent State University’s Physics Department, March 8, 2012. Dr. Strickland delivered an invited colloquium at Kent State University. He spoke about the effort to recreate conditions that existed in the early universe using ultrarelativistic heavy ion collisions and the theoretical tools necessary to understand matter at such insanely hot temperatures.

Strickland presented “Gauge Field Dynamics In and Out of Equilibrium” at Anisotropic Hydrodynamics, National Institute for Nuclear Theory Program Seattle, Washington on March 23, 2012. Dr. Strickland gave an invited talk as part of his participation in a five week long program at the National Institute for Nuclear Theory at the University of Washington, Seattle, WA. Dr. Strickland was invited to be a “longterm participant” of the program which allowed him to stay for a full month in Seattle.

Strickland presented “Is early isotropization in heavy ion collisions a necessary condition to describe HIC data?” to the EMMI Rapid Reaction Task Force on Thermalization in Nonabelian Plasmas, Heidelberg University, Heidelberg, Germany in December 2011. Dr. Strickland delivered an invited seminar addressing the question of whether or not early isotropization is necessary to describe data from ultrarelativistic heavy ion collisions experiments. He demonstrated that it is widespread misconception that early isotropization is required and that, in fact, the level of anisotropy allowed is consistent with results from perturbative quantum chromodynamics calculations.

Strickland delivered an invited seminar on Thermal Bottomonium Suppression to the high energy particle theory group at McGill University in 2011. The seminar covered his recent work on the melting of bound states of bottom and anti-bottom quarks in ultrarelativistic heavy ion collisions.

Yan Sun, Associate Professor of Art & Art History, presented “Multiple Social Identities of Jingji and Biji: Case Studies of Ji Noblewomen married into the Yu and Peng lineage 外嫁异族的姬姓贵族女性的多重社会身份的考古学考察：以西周时期弓鱼、伾两族为例” at the Emergence of Bronze Age Societies: A Global Perspective conference at The International Centre for Chinese Heritage and Archaeology (ICCHA), Institute of Archaeology, University College London, Peking University and Baoji Municipal People’s Government, Shaanxi province, China. This paper, through studies of two individual noblewomen, Jingji and Biji, who were active in the late 10th and early 9th Century BC, aims to investigate how their cultural identities were conveyed through inscriptions on bronzes, constructed through artifacts in tombs, and displayed through burial ritual and practice.

Brent C. Talbot, Assistant Professor and Coordinator of Music Education in the Sunderman Conservatory of Music, delivered a peer-reviewed paper presentation at the May Day Group’s 23rd Colloquium held at the University of Utah in Salt Lake City from May 15-18, 2011. Talbot presented his paper “Discourse Analysis as Potential for Re-Visioning Music Education.” This paper presentation demonstrates: a) how discourse analysis has been used in a number of musical settings, b) the challenges researchers face when analyzing musical settings, and c) the potential benefits for music teachers and researchers when engaging in discourse analysis. By analyzing acts of speech as well as cultural objects and concepts used as mediational means in situ, discourse analysts can reveal how discursive sources of power dominance, inequality, and bias are initiated, perpetuated, reproduced, and transformed in sites of music transmission. Analyzing such models may help develop a more flexible way of understanding and visioning music education, one that blurs boundaries between musics, ways of knowing music, and spaces where musicking takes place.

Talbot presented a peer-reviewed research poster session at MENC-Eastern Division Conference held in Baltimore, MD on March 31-April 2, 2011. The poster, entitled “Finding a Way: Discourse

Analysis of Music Transmission in Eka Sruti Illini and Implications for Music Education” looks at gamelan teaching and learning practices in a US institution of higher education. This research is part from his dissertation, which examines gamelan and world music teaching and learning practices in US institutions of higher education.

Talbot also presented a peer-reviewed research poster session at the Pennsylvania Music Educators Association annual conference held in Hershey, PA on April 13-16, 2011. The poster, entitled “Finding a Way: Discourse Analysis of Music Transmission in Eka Sruti Illini and Implications for Music Education” examines gamelan teaching and learning practices in a US institution of higher education. This presentation specifically described how a Balinese man comes to the US and has to negotiate the cultural and music teaching and learning differences in the classroom.

Donald G. Tannenbaum, Associate Professor of Political Science, chaired and served as discussant for a panel on “Current Research in Biopolitics” at the annual meeting of the American Political Science Association, September 1-4, in Seattle, Washington. Panel papers dealt with “Competing Meanings of Biopolitics in Political Science: Biological and Post-Modern Approaches to Politics,” “The Religious Brain: Can Neurosciences Tell Us about Religious Consciousness,” “An Examination of Contingency among Gene Synthesis Companies,” and “Psychological Dysfunction and Major Accomplishments: The Presidency of Lyndon Johnson.”

Robin Wagner, Director of Library Services at Musselman Library, was invited to speak on a panel on Innovative Library Fundraising at the American Library Association’s annual conference in New Orleans in June 2011. Wagner spoke about relationships with donors, stewardship of gifts, establishing endowments, and encouraging a culture of gratitude.

Wagner gave a presentation entitled “Get Off the Bench: Low Cost Outreach Initiatives @ Your Academic Library” at the Pennsylvania Library Association Conference on October 3, 2011. The talk included examples of successful promotional activities and programs at the library.

Wagner also presented a paper at the Seventh International Conference on Environmental, Cultural, Economic and Social Sustainability at the University of Waikato in Hamilton, New Zealand on January 6, 2011. Her paper was entitled “Sustaining a Culture of Reading in the Australian Outback in the Early Twentieth Century.” She also served as moderator for a panel of Eisenhower Institute Fellows who were presenting their research at this conference.

Kerry Wallach, Assistant Professor of German Studies, presented a paper entitled “Weimar Jewish Chic from Wigs to Furs: Jewish Women and Fashion in 1920s Germany” at the 24th Annual Klutznick-Harris Symposium: “Fashioning Jews: Clothing, Culture, and Commerce,” October 23-24, 2011, in Omaha, Nebraska. This paper examines how German-Jewish versions of popular styles subtly displayed Jewishness, as well as Jewish women’s participation in fashion journalism, marketing, and design.

PROFESSIONAL DISTINCTIONS AND AWARDS

Matthew H. Amster, Associate Professor of Anthropology, received a grant from Aarhus University Research Foundation funding six-months of residency (the period Feb. 1-July 31, 2012) as Visiting Associate Professor in the department of Culture and Society, Section for Anthropology and Ethnography, Aarhus, Denmark. The focus of Amster’s project, entitled “Being Viking,” is to establish a new ethnographic research project and begin making a film about contemporary neo-pagan (Asatro) religious groups and Viking reenactment in Denmark.

Paul Carrick, Adjunct Professor of Philosophy, was selected to serve a three-year term on the Board of the Kienle Center for Humanistic Medicine, at Penn State University's College of Medicine, Hershey, PA.

Veronica Dexheimer, Visiting Assistant Professor of Physics, was awarded a grant from the Brazilian National Counsel of Technological and Scientific Development (CNPq). The grant will allow Prof. Dexheimer to perform research in the Federal University of Santa Catarina (UFSC) on the physics of magnetars. Magnetars are very special stars which are extremely dense and have the highest magnetic fields among all stars in the universe.

Avner Dorman, Assistant Professor of Theory and Composition at the Sunderman Conservatory of Music, was interviewed for a feature on NPR's *All Things Considered* about the world premiere of his *Uzu and Muzu from Kakaruzu* on March 7, 2012. The interview is available at: <http://www.npr.org/2012/03/07/148145028/struggling-stockton-finds-new-inspiration-in-classical-music>

Shannon Egan, Director of Schmucker Art Gallery, was invited to co-curate an exhibition entitled "Medium of Exchange" at Towson University's Center for the Arts Art Gallery as part of Artscape in Baltimore, America's largest free arts festival. This exhibition featured the work of fourteen artists from the Baltimore/Washington DC area and asked the artists to justify, explain, or itemize the financial and/or conceptual cost of the work, given the seemingly subjective notion of value in today's volatile economy. Egan also wrote a curatorial essay that contextualizes each artist's work within the larger theme.

Tim Shannon, Chair and Professor of History, was recently awarded a short-term fellowship from the Huntington Library in San Marino, California. The fellowship supports research undertaken in the United Kingdom in archives related to the Huntington's collections. Shannon will be using it to work at the National Archives of Scotland in fall 2012.

CREATIVE ACTIVITY

Avner Dorman, Assistant Professor of Theory and Composition at the Sunderman Conservatory of Music, had his *Spices, Perfumes, Toxins!* performed by the National Taiwan Symphony Orchestra under conductor Lu Shao-chia with solo percussionists Martin Grubinger and Manuel Hofstatter.

Dorman's *Mandolin Concerto* received its French Premiere on October 28, 2011, in Lunel, France. The piece was performed by Avi Avital with the Orchestra National de Montpellier conducted by Robert Tuohy. Additionally, Avi Avital performed Dorman's *Mandolin Concerto* in Germany with the Heilbronn Chamber Orchestra on November 18, 2011 in Göglingen, on November 19, 2011, in Heilbronn, and on November 20, 2011, in Neuenstadt, Germany. Avi Avital also performed Dorman's *Mandolin Concerto* on a tour in Israel with the Netanya Israel Kibbutz Orchestra led by Yaron Gottfried on March 10, 2012, in Givat Brener, on March 11, 2012, in Ein Hashofet, on March 12, 2012, in Netanya, on March 13, 2012, in Tel-Aviv, on March 17, 2012, in Ein HaHoresh, and on March 18, 2012, in Kibbutz Dorot. Additionally, Avi Avital performed Dorman's *Mandolin Concerto* on January 27, 2012, with BMOP (Boston Modern Orchestra Project) conducted by Gil Rose in Boston, Massachusetts.

Dorman premiered his new 30-minute orchestra piece *Uzu and Muzu from Kakaruzu* with the Stockton Symphony led by music director Peter Jaffe, with Narrator Webster Williams and percussion soloists Graham Thompson and Michael Downing. The piece was performed six times for 7000 elementary school students on February 29, 2012, March 1, 2012 and March 2, 2012.

On March 4, 2012 it was performed at a family concert. On March 8 and March 10, 2012 it was performed on regular series concerts. The premiere was featured on NPR's *All Things Considered*.

Dorman's *Astrolatry* received its Spanish premiere on March 8 and March 9, 2012 in Gijón, Spain by the Principado de Asturias Symphony Orchestra led by Kynan Johns. Additionally, the Rutgers Symphony Orchestra and conductor Kynan Johns performed *Astrolatry* on October 29, 2011.

Dorman's *Karsilama* for two pianos received its world premiere on February 15, 2012 at the Staatliche Jugendmusikschule in Hamburg by duo Amal.

Dorman's *Frozen in Time* was performed on a tour of Spain by Martin Grubinger and the Euskadi Orchestra conducted by Andrés Orozco-Estrada on January 13, 2012 in San Sebastian, on January 14, 2012 in Bilbao, on January 16, 2012 in San Sebastian, on January 17, 2012 – Pamplona, and on January 18, 2012 – in Vitoria.

Dorman's premiered his *Oud, Viola, Piano* at Carnegie Hall's Zankel Hall on January 8, 2012.

Dorman's *Udarep Akubrad* was performed on November 19, 2011 in Munich, Germany by PercaDu and Ariel Zuckermann leading the Das Georgische Kammerorchester.

Dorman's new piece *Memory Games* was premiered Hilary Hahn and Valentina Lisitsa on October 13, 2011 at the Constella Festival in Cincinnati, Ohio. It was subsequently performed on October 15 in Bethlehem, PA, on October 17, 2011, at The Seattle Symphony's Distinguished Artists series, on October 19 in Charlottesville, VA, on October 21 in Carmel, IN, on October 23, in Chicago, IL, on October 27 in Atlanta, GA, on October 29 in Davis, CA, on November 1 at Walt Disney Concert Hall in Los Angeles, CA and on November 6 in Ft. Lauderdale, FL.

Dorman's *Variations Without A Theme* received its Australian Premiere on September 11, 2011, at the Brisbane Festival performed by the Queensland Symphony Orchestra conducted by Asher Fisch.



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