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## The Faculty Notebook, September 2014

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# The Faculty Notebook, September 2014

**Abstract**

*The Faculty Notebook* is published periodically by the Office of the Provost at Gettysburg College to bring to the attention of the campus community accomplishments and activities of academic interest. Faculty are encouraged to submit materials for consideration for publication to the Associate Provost for Faculty Development. Copies of this publication are available at the Office of the Provost.

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**Disciplines**

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# The FACULTY Notebook



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## PUBLICATIONS

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**Yasemin Akbaba, Associate Professor of Political Science**, with co-author Gönül Tol, published “Minorities on ‘Civilizational’ Fault Lines: An Assessment of Religious Discrimination” in *Politics, Religion & Ideology* 15.1 (2014): 161-177. This study aims to quantitatively explore Huntington’s controversial “clash of civilizations” theory to understand whether civilizational ethno-religious minorities—i.e., ethno-religious minorities that belong to a different civilization than the majority—face religious discrimination more than non-civilizational ones, especially in Western and Islamic civilizations.

**Akbaba**, with co-author Jonathan Fox, published “Religious Discrimination in the European Union and Western Democracies, 1990 to 2008” in *Religion and the Discourse of Human Rights*, edited by Hanoch Dagan, Shahar Lifshitz, and Yedidia Z. Stern (Jerusalem: Israel Democracy Institute, 2014). The extent and causes of religious discrimination against 113 religious minorities in 36 democracies in the European Union (EU) and the West from 1990 to 2008 are analyzed using a special version of the Religion and State Minorities round 2 (RAS2-M) dataset. We find that Muslim and Christian minorities suffer from the highest levels of discrimination in the EU and Western Democracies.

**Jonathan Amith, Research Fellow in Anthropology**, published “Comments on a Review of Michel Launey’s *An Introduction to Classical Nahuatl*” in *Anthropological Linguistics* 55.3 (2014): 288-294. This short note is a critical response to Michael McCafferty’s review of a Nahuatl grammar written by Michel Launey.

**Amith**, with co-authors Victor H. Gonzalez, Timothy Stein, and Ricardo Ayala, published “New Record and Nest Description of the Nocturnal Sweat Bee *Megalopta tetewana* (Hymenoptera: Halictidae)” in *Pan-Pacific Entomologist* 90.1 (2014): 40-43. This article documents a significant range extension of the sweat bee *Megalopta tetewana*, some 300 kilometers south of a previous register of this bee. The collection of this bee was part of Amith’s ethno-entomological research along the Pacific Coast of Guerrero.

**Rimvydas Baltaduonis, Assistant Professor of Economics**, published “An Experimental Study of Complex-Offer Auctions from Wholesale Energy Markets” in *Applied Economics and Finance* 1.1 (May 2014): 96-115. This paper compares the performances of Offer Cost Minimization auction and Payment Cost Minimization auction, while controlling for the level of unilateral market power. It appears that both auctions elicit similar market behavior, while the expected institutional effects on procurement cost and efficiency of simulated wholesale electricity markets end up being greatly dominated by the effects of anticompetitive behavior due to the offer complexity and a cyclical nature of market demand.

**Baltaduonis**, with co-authors Diego Aycinena and Lucas Rentschler, published “Risk Preferences and Prenatal Exposure to Sex Hormones for Ladinos” in *PLoS ONE* 9.8 (2014, online only). This article assesses the relationship between risk preferences, prenatal exposure to sex hormones, and gender effects for a sample of Ladinos, which is an ethnic group comprising 62.86% of the population of Guatemala.

**Abou Bamba, Assistant Professor of History**, published “An Unconventional Challenge to Apartheid: The Ivorian Dialogue Diplomacy with South Africa, 1960-1978” in *International Journal of African Historical Studies* 47.1 (2014): 77-99. This article focuses on the dialogue diplomacy that Ivorian President Félix Houphouët-Boigny initiated in the late 1960s to engage apartheid South Africa. Although contemporary observers and subsequent scholars have derided the scheme as an act of acquiescence and even betrayal, I argue that Ivory Coast’s dialogue diplomacy was neither accommodationist nor dependent on the prodding of neocolonial powers such as France. A Pan-Africanist extension of the homegrown neo-traditional practice of *Dialogue ivoirienne*, the diplomatic initiative never got the backing of other African states. A close analysis of the Ivory Coast’s maneuvers in the context of an increasing radicalization of the anti-apartheid movement sheds a new light on the complexity of the transnational politics to defeat apartheid.

**Kathy Berenson, Assistant Professor of Psychology**, with student co-author **Derik Yager-Elorriaga ‘12** and co-author Paula McWhirter, published “Hope, Ethnic Pride, and Academic Achievement: Positive Psychology and Latino Youth” in *Psychology* 5 (August 2014, online only): 1206-1214. This article is based on Yager-Elorriaga’s independent study with Professor Berenson at Gettysburg. Both experimental and correlational findings suggest that ethnic identity is an important contributor to hope levels in Latino youth.

**Temma Berg, Graeff Professor of English Literature**, published “The Brontës in Turkey” in *Brontë Studies* 39.3 (2014): 225-231. The Brontës never went to Turkey—but an important conference titled “The Brontë Sisters and their Work” was held in Ankara in December 2013. Spurred on by the hospitality and intellectual excitement of the event, and by the way other sites in Turkey reflected back on the three sisters and their work, I wrote a personal essay about the experience.

**Abhinandan Chowdhury, Visiting Assistant Professor of Mathematics**, with co-author Pablo Suarez, published “On the Stochastic Burgers Equation with Moving Boundary” in *Romanian Journal of Physics* 59.5-6 (2014): 466-475. In this article, the numerical solution of stochastic Burgers equation with moving boundaries is obtained by employing a new kind of spectral collocation method. The study of this equation, and especially the qualitative behavior of its solution, are found to be important in the area of various real-world applications, e.g., modelling the vortex lines in high-temperature superconductors.

**Chowdhury**, with co-authors Russell Kohl and Ramazan Tinaztepe, published “Soliton Perturbation Theory of Biswas-Milovic Equation” in *OPTIK—International Journal for Light and Electron Optics* 125.8 (2014): 1926-1936. In this article, a generalized version of the well-known nonlinear Schrödinger’s equation (NLSE) is studied by using soliton perturbation theory. This equation describes the propagation of solitons through optical fibers for transcontinental and transoceanic distances.

**Amy Dailey, Assistant Professor of Health Sciences**, with co-authors Babette A. Brumback and Zhuangyu Cai, published “Methods of Estimating or Accounting for Neighborhood Associations with Health Using Complex Survey Data” in *American Journal of Epidemiology* 179.10 (2014): 1255-1263. Investigating health inequalities using nationally or locally representative data often requires an approach that can accommodate a complex sampling design, in which individuals have unequal probabilities of selection into the study. The goal of the present article was to review and compare methods of estimating or accounting for neighborhood influences with complex survey data.

**Daniel DeNicola, Professor of Philosophy**, published “Reflections on Reading Plato and Aristotle at Lancaster” in *The Lancaster Journal of Philosophy* 2.1 (Spring 2014): 9-16. This article reflects on aspects of the nature of philosophical work in Plato and Aristotle, and applies these to the work of the graduate seminar I led at Lancaster University, in which we read both philosophers.

**DeNicola** published “Liberal Education (Overview)” in *Encyclopedia of Educational Theory and Philosophy* (2 vols.), edited by Denis C. Phillips (Thousand Oaks, CA: SAGE Publications, 2014). This entry covers a broad overview of the concept of liberal education and the contested issues it raises.

**Amy Young Evrard, Associate Professor of Anthropology**, published *The Moroccan Women’s Rights Movement* (Syracuse, NY: Syracuse University Press, 2014). A determined set of individuals and associations have been working toward legal reform and education in Morocco since the 1980s. This book, based on one and a half years of fieldwork, is an ethnographic look at the people in the women’s rights movement, their political and social context, and their role in and since the vast 2004 reform of the Moroccan Family Code.

**Evrard** published “The Continuing Importance of ‘Secular’ Women’s Associations” in *AMEWS [Association for Middle East Women’s Studies] E-Bulletin* 8 (August 2014, online only). This is a brief op-ed about the problematic use of the term “secular” to describe women’s associations whose primary reference for women’s rights comes from outside of Islamic texts and tradition.

**Kent Gramm, Adjunct Professor of English**, published *Psalms for Skeptics (101-105)* (Eugene, OR: Wipf and Stock, 2014), a collection of poems based on Psalms 101-150.

**Joseph Grzybowski, Professor of Chemistry**, with student co-authors **Paul F. Smith ‘10, Jenna M. Korsan ‘11, and Theodore R. Grimm ‘09**, published “Reaction of Boronic Acids with Tetrafluoroborate? It Depends on the Acidity” in *Inorganic Chemistry Communications* 48 (2014): 144-146. After electrochemical or chemical oxidation of ferroceneboronic acid, the resulting ferriceniumboronic acid is found to react with tetrafluoroborate to form ferricenyltrifluoroborate. This reaction with a common electrolyte can be extended to other boronic acids that possess a sufficiently low pKa (< 7).

**Allen C. Guelzo, Henry R. Luce Professor of the Civil War Era**, published “Ten Miles from Richmond,” on the 1864 battle of Cold Harbor, in *Civil War Monitor* 4.2 (Summer 2014): 44-53, 74; “Lincoln and Justice for All,” an examination of Lincoln’s use of the concept of justice, in *A Second Look at First Things: The Hadley Arkes Festschrift*, edited by Francis J. Beckwith (South Bend, IN: St. Augustine Press, 2013); and “Lincoln and Liberty, Too,” in *The Seminary Ridge Review* 16 (Autumn 2013): 12-21. He also edited a retrospective titled “On the Ground at the Gettysburg Sesquicentennial: Eight Views from July 2013,” in *Gettysburg Magazine* 50 (January 2014).

**Guelzo** published several opinion pieces in *The New York Times*: “For Lincoln, Gettysburg Was the True Test of American Democracy” (November 17, 2013); “Lincoln’s Sound Bite: Have Faith in Democracy” (November 18, 2013); and “The Political War” (June 5, 2014). He also published “Hearing Lincoln’s Words,” *Philadelphia Inquirer* (November 19, 2013).

**Caroline Hartzell, Professor of Political Science**, with co-editor Matthew Hoddie, edited *Segment States in the Developing World: Conflict’s Cause or Cure?* (London: Routledge, 2014). This book considers the relationship between territorial autonomy arrangements and ethnic conflict.

**Alvaro Kaempfer, Associate Professor of Spanish & Latin American Studies**, published “Lastarria, Bello y Sarmiento en 1844: Genocidio, historiografía y proyecto nacional” in *José Victorino Lastarria: Obra Narrativa Completa*, edited by Hugo Bello (Santiago de Chile: Ediciones



Universidad Alberto Hurtado, 2014). This essay discusses one of the foundational debates of Chilean as well as Latin American historiography in the XIX Century. The intensely publicized argument between José Victorino Lastarria, Domingo Faustino Sarmiento, and Andrés Bello in 1844 took place around the first officially supported publication of an approach to the legacies of colonialism for Latin American independent nations. This text, previously published in a specialized journal, has been selected to be part of a critical dossier included in the publication of Lastarria's complete narrative.

**Benjamin Kennedy, Associate Professor of Mathematics**, published "Symmetric Periodic Solutions for a Class of Differential Delay Equations with Distributed Delay" in *Electronic Journal of Qualitative Theory of Differential Equations* 4 (2014, online only). In this work, Professor Kennedy uses elementary fixed point theory to prove the existence of symmetric periodic solutions for a class of delay equations with distributed delay and negative feedback. The results shed some light on more classical equations with non-distributed delay.

**J. Matthew Kittelberger, Associate Professor of Biology**, with student authors **Geraldine K. E. Goebrecht (né Katherine Hickey) '10, Robert A. Kowtoniuk '09, and Brenda G. Kelly '11**, published "Sexually-Dimorphic Expression of Tyrosine Hydroxylase Immunoreactivity in the Brain of a Vocal Teleost Fish (*Porichthys notatus*)" in *Journal of Chemical Neuroanatomy* 56 (2014): 13-34. This research demonstrated sex differences in the distribution of an enzyme necessary for the synthesis of dopamine in vocal and auditory structures of midshipman fish. The findings support the hypothesis that dopamine plays an important modulatory role in shaping vocal and/or social behavior in this species and, more generally, across vertebrates.

**Larry Marschall, Professor Emeritus of Physics**, with co-authors M. Seeligers, D. Dimitrov, D. Kjurkchieva, M. Mallonn, M. Fernandez, M. Kitze, V. Casanova, G. Maciejewski, J. M. Ohlert, J. G. Schmidt, A. Pannicke, D. Puchalski, E. Göğüş, T. S. Güver, S. Bilir, T. Ak, M. M. Hohle, T. O. B. Schmidt, R. Errmann, E. Jensen, D. Cohen, G. Saral, I. Bernt, E. Derman, C. Gałan, and R. Neuhaus, published "Transit Timing Analysis in the HAT-P-32" in *Monthly Notices of the Royal Astronomical Society* 441.1 (2014): 304-315. This is a collaborative work by members of the Young Exoplanet Transit Initiative to look for additional planets orbiting around a star with one already known planetary companion. By carefully timing the recurrence of dimming of the light from the star caused by the known planet passing in front of it (a phenomenon called a transit), we are able to look for deviations in regular recurrence of the transit caused by the gravitational pull of a second planet delaying or advancing the first planet's orbit. Some of these transit observations were done using the Gettysburg College Observatory in 2013.

**Hugh Martin, Instructor of English**, published *The Stick Soldiers* (Rochester, NY: BOA Editions Ltd., 2013). This collection of poems won the A. Poluin Jr. Prize First Book Award. It focuses on the author's experience serving in Iraq in 2004.

**Brian Meier, Associate Professor of Psychology**, with co-authors Sara Konrath and Brad J. Bushman, published "Development and Validation of the Single Item Narcissism Scale (SINS)" in *PLoS ONE* (August 5, 2014, online only). This paper describes the development and validation of the Single Item Narcissism Scale (SINS). Although the use of longer instruments is superior in many situations, we recommend the SINS in some circumstances (e.g., time constraints, online studies).

**Salma Monani, Associate Professor of Environmental Studies**, published "Kissed by Lightning and Indigenous Cinema's Natureculture Continuum" in *Ecoambiguity, Community and Development*, edited by Scott Slovic, Rangarajan Swarnalatha, and Vidya Sarveswaran (Lanham, MD: Lexington Books, 2014). In this chapter, I draw together cognitive film theory, Indigenous Studies, and discussions that ground the "material turn" in ecocriticism to engage Fourth Cinema.

Drawing from cognitive film theory, I argue that cinema, with its insistent auditory, visual, and tactile triggers, orchestrates emotional responses. Recognizing how enmeshed cultural cognition and visceral affect are to these responses, places us in the realm of Donna Haraway's "natureculture"; I focus on one example of Fourth Cinema—Mohawk artist Shelley Niro's *Kissed by Lightning* (2009)—to suggest that indigenous film can heighten this cinematic awareness of natureculture through its narrative integration of traditional indigenous worldviews into stories of contemporary existence.

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

**Todd Neller, Assistant Professor of Computer Science**, with staff co-author **G. M. Presser, Associate Professor of Computer Science**, and student co-authors **Marcin Malec '13** and **Forrest Jacobs '12**, published "Optimal, Approximately Optimal, and Fair Play of the Fowl Play Card Game" in the *Proceedings of the 8th International Conference on Computers and Games CG2013* (Lecture Notes in Computer Science LNCS 8427) (Heidelberg and Berlin: Springer Verlag, 2014). In this paper, delivered at the titular conference in Yokohama, Japan, August 13-15, 2013, optimal play of the jeopardy card game Fowl Play was computed and visualized by Neller and Presser; Malec and Jacobs developed a neural network player that could win 49.7% of the time against an optimal player using 5 orders of magnitude less memory; and Neller's new fair variant of Fowl Play, Red Light, was designed and introduced.

**Rutherford Platt, Associate Professor of Environmental Studies**, published "Wildfire Hazard in the Home Ignition Zone: An Object-Oriented Analysis Integrating LiDAR and VHR Satellite Imagery" in *Applied Geography* 51 (2014): 108-117. While I am the sole author on this paper, it could not have happened without assistance of many others. I would like to thank Matthew Toich and Julie Ivers, Gettysburg College class of 2012, for their work on this project!

**Dave Powell, Associate Professor of Education**, published "Politics Are Crushing the Standards" in *Education Week* 33.36 (2014): 34-35. This article is a comment on the politics of opposition to the common core standards, a set of standards adopted in more than 40 states that hold the promise of leveling the educational playing field for millions of students.

**Jennifer Powell, Assistant Professor of Biology**, with co-authors Natalia V. Kirienko, Brent O. Cezairliyan, and Frederick M. Ausubel, published "*Pseudomonas aeruginosa* PA14 Pathogenesis in *Caenorhabditis elegans*" in *Methods in Molecular Biology: Pseudomonas*, edited by Alain Filloux and Juan-Luis Ramos (New York: Humana Press, 2014). *Pseudomonas aeruginosa* is a potentially deadly super-bug that is one of the top causes of hospital-acquired infections. It is therefore essential to understand its biology and pathogenesis. This chapter describes methods for using the powerful genetic model organism *C. elegans* as a host for *P. aeruginosa* infections so that scientists can safely study the immune response to this fascinating and clinically important bacteria.

**Sarah Principato, Associate Professor of Environmental Studies**, with student co-author **Jessica F. Lee '13**, published "GIS Analysis of Cirques on Vestfirðir, Northwest Iceland: Implications for Palaeoclimate" in *Boreas* 43.4 (2014): 807-817. In this paper, we present the first comprehensive analysis of cirques on Vestfirðir, northwest Iceland. We use GIS to calculate equilibrium line altitudes and link the results to the paleoclimate of the region. Moisture source is a controlling factor on equilibrium line altitudes.

**Michael Ritterson, Professor Emeritus of German Studies**, published a translation of Utz Rachowski's "Thuringian Scenes" in *The Literary Review* 57.2 (2014): 116-119. "Scenes" is an ironic name for the 25 matter-of-fact statements by a teenage victim of political repression driven to the murder of his tormentor in juvenile detention. The setting is the picturesque Thuringian region of the former East Germany.

**Timothy Shannon, Professor of History**, published "Avenue of Empire: The Hudson Valley in an Atlantic Context" in *The Worlds of the Seventeenth-Century Hudson Valley*, edited by Jaap Jacobs and L. H. Roper (Albany: State University of New York Press, 2014). This collection of essays originated in a conference held in 2009 to commemorate the 400th anniversary of Henry Hudson's first voyage to North America. My contribution addresses the geopolitical role the Hudson Valley played in the Dutch and British Atlantic empires.

**Stephen Sivi, Professor of Psychology**, with co-authors E. J. Marijke Achterberg, Viviana Trezza, Laurens Schrama, Anton N. M. Schoffemeer, and Louk J. M. J. Vanderschuren, published "Amphetamine and Cocaine Suppress Social Play Behavior in Rats through Distinct Mechanisms" in *Psychopharmacology* 231 (2014): 1503-1515. This article describes the results of a series of experiments assisted by Professor Sivi during his recent sabbatical leave at the University of Utrecht. Both amphetamine and cocaine are quite potent in reducing play in juvenile rats. The results showed that while amphetamine reduces play primarily by affecting noradrenergic systems, cocaine reduces play by simultaneously affecting three separate neurochemical systems: dopamine, norepinephrine, and serotonin.

**Carolyn S. Snively, Professor of Classics**, published "The Rock-Cut Room on the Acropolis at Golemo Gradište, Konjuh: Date and Purpose" in *Niš and Byzantium* XII (2014): 193-204. The room quarried into a cliff near the western end of the acropolis ridge has often been identified as the cell of a medieval monk. Closer examination suggests that it originally served as a sentry post for the fortress on the acropolis.

**Sharon Stephenson, Professor of Physics**, with co-authors J. K. Smith, T. Baumann, D. Bazin, J. Brown, S. Casarotto, P. A. DeYoung, N. Frank, J. Hinnefeld, M. Hoffman, M. D. Jones, Z. Kohley, B. Luther, B. Marks, N. Smith, J. Snyder, A. Spyrou, M. Thoennessen, N. Viscariello, and S. J. Williams, published "Low-Lying Neutron Unbound States in  $^{12}\text{Be}$ " in *Physical Review C* 90 (2014): 024309. This work represents part of an experiment done at the National Superconducting Cyclotron Laboratory and provides new information about the structure of extremely neutron rich, short-lived nuclei. Natural beryllium is  $^9\text{Be}$  (four protons and five neutrons), but for this paper we successfully studied  $^{12}\text{Be}$  with eight neutrons to look at the possibility of a closed nuclear shell at  $N=8$ .

**Eileen Stillwaggon, Professor of Economics**, published "El mal de Chagas y su potencial de eliminación" in *Sociedad Interamericana de Cardiología* (2014). This editorial discusses the problems confronting disease control programs when vector transmission is eliminated or reduced, but congenital transmission continues and millions of people already infected continue to require care.

**Kristin Stuempfle, Professor of Health Sciences**, with co-authors Bethan Owen, Ian Rogers, Martin Hoffman, Doug Lewis, Kevin Fogard, Joseph Verbalis, and Tamara Hew-Butler, published "Efficacy of Oral Versus Intravenous Hypertonic Saline in Runners with Hyponatremia" in *Journal of Science and Medicine in Sport* 17.5 (2014): 457-462. This paper compared two treatment methods for hyponatremia, a potentially fatal electrolyte disturbance.

**Christin Taylor, Adjunct Professor of English**, published *Crew: Finding Community When Your Dreams Crash* (Indianapolis, IN: Wesleyan Publishing House, 2014). When we shipwreck in our young adult years, it's important to find learning partners that can help us navigate the waves and debris, as well as become our truest selves.



**Taylor** published “Jesus Lives, but Should He Live in My Front Yard?” on the *New York Times*’ “Motherlode” blog (April 5, 2014, online only). As a young adult Christian whose political views are left of center, working in higher education where intellect is the only religion, I’m constantly negotiating how much of myself to share.

**Currie Kerr Thompson, Professor of Spanish**, published *Picturing Argentina: Myths, Movies, and the Peronist Vision* (Amherst, NY: Cambria Press, 2014). This book analyzes the evolution of Argentine social myths portrayed in films premiering during first Peronism (1943-1955).

**Lucas Thompson, Assistant Professor of Chemistry**, with co-authors A. M. Alkilany, S. P. Boulous, S. E. Lohse, and C. J. Murphy, published “Homing Peptide-Conjugated Gold Nanorods: The Effect of Amino Acid Sequence Display on Nanorod Uptake and Cellular Proliferation” in *Bioconjugate Chemistry* 25.6 (2014): 1162-1171. In this work, we explored how the specific orientation of a molecule designed to target cancer cells impacts the association and uptake of gold nanorods to the cancer cells. Gold nanorods are a promising class of therapeutic approaches that can be used to destroy cancer cells without the systemic exposure that is required of small molecule therapeutics.

**Kerry Wallach, Assistant Professor of German Studies**, published “Front-Page Jews: Doris Wittner’s (1880-1937) Berlin Feuilletons” in *Discovering Women’s History: German-Speaking Journalists (1900-1950)*, edited by Christa Spreizer (Oxford: Peter Lang, 2014), part of the Women in German Literature Series. This is the first article to focus on German-Jewish writer Doris Wittner, whose work appeared in prominent Berlin newspapers and the Jewish press in the 1910s, 1920s, and 1930s.

**Kerry Walters, William Bittinger Professor of Philosophy**, published *Profiles in Christian Courage: Extraordinary Inspiration for Everyday Life* (Lanham, MD: Rowman & Littlefield, 2014). Arguing that Christian courage is best understood as “Grace under pressure,” this book offers profiles of people who exemplify physical, moral, and spiritual courage, and concludes with a reflection on courage in everyday situations.

**Charles Wessell, Assistant Professor of Mathematics**, with co-authors T. P. Chartier, J. Harris, K. R. Hutson, A. N. Langville, and D. Martin, published “Reducing the Effects of Unequal Number of Games on Rankings” in *IMAGE: The Bulletin of the International Linear Algebra Society* 52 (2014): 15-23. Many ranking systems perform poorly if the number of matches played varies widely between competitors (e.g., top tennis players play many more tournament matches than marginal players). A new approach is developed to keep from over-ranking competitors who have played a small number of matches.

**Randall Wilson, Associate Professor of Environmental Studies**, with student co-authors **Paul Di Salvo ‘13, Claire Quinn ‘13, Suzanne Englot ‘13, and Julia Mitchell ‘13**, published “Growing Pains or Opportunities? A Customer Survey of Three Farmers’ Markets in One Rural Community” in *Journal of Extension* 52.2 (April 2014, online only), 2RIB3. This paper builds on the project conducted by the Environmental Studies 400 Senior Seminar capstone class on Sustainability and Local Food Systems taught in Fall 2012. Working with community partners from Penn State Extension and the Adams County and Gettysburg Farmers Market Associations, students explored the opportunities and challenges faced by the local markets, and how they might work together to benefit both local producers and consumers in the Gettysburg area.

**Henning Wrage, Assistant Professor of German**, published “Neue Jugend—Einleitung” in *Handbuch Nachkriegskultur: Literatur, Sachbuch und Film in Deutschland (1945-1962)*, edited by Elena Agazzi and Erhard Schütz (Berlin: DeGruyter, 2013). This handbook explores the most important discourses of German Postwar culture (1945-1962). I contributed a section and seven two-page entries to the volume.

**Wrage**, with Marc Silberman, edited *DEFA at the Crossroads of East German and International Film Culture: A Companion* (Berlin: De Gruyter, 2014). This volume on East German film aims at reshaping DEFA cinema studies by exploring international networks, identifying lines of influence beyond national boundaries, and recognizing genre qualities that surpass the temporal and spatial confines of the East German state. I also contributed a chapter, “DEFA Films for the Youth: National Paradigms, International Influences.” The book is the fourth in the “Companions to Contemporary Germany” series.

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## REVIEWS

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**Allen C. Guelzo, Henry R. Luce Professor of the Civil War Era**, published reviews in *The Wall Street Journal* of Gerald Magliocca's *American Founding Son* (October 5, 2013); and Robert O'Connell's *Fierce Patriot: The Tangled Lives of William T. Sherman* (June 28, 2014). He also published reviews in *Civil War News* of John Taliaferro's *All the Great Prizes: The Life of John Hay* (October 2013); Sarah Greenough and Nancy K. Anderson's *Tell It with Pride: The 54<sup>th</sup> Massachusetts Regiment and Augustus Saint-Gaudens' Memorial* (April 2014), Sean M. Heuvel's *The College of William and Mary in the Civil War* (May 2014); and William Best Hesseltine's *Lincoln and the War Governors* (May 2014).

**Ian Isherwood, Assistant Director of the Civil War Institute**, reviewed William Mulligan's *The Great War for Peace* in *Journal of Military History* 78.4 (2014); Randall Stevenson's *Literature and the Great War 1914-1918* in *War in History* 21.3 (July 2014): 381-382; and Michael C. C. Adams's *Living Hell: The Dark Side of the Civil War* in *The Civil War Monitor* (March 19, 2014, online only).

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## PROFESSIONAL PAPERS OR PRESENTATIONS

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**Yasemin Akbaba, Associate Professor of Political Science**, with Ozgur Ozdamar, delivered a paper titled “Religious Affinities in Foreign Policy: Turkish-Syrian Relations before and after the Arab Uprisings” at the annual convention of the International Studies Association (ISA), Toronto, Ontario, Canada, March 26, 2014. This paper examines the effect of ethnicity and religion on Turkish-Syrian relations.

**Jonathan Amith, Research Fellow in Anthropology**, presented a paper titled “Analysis of the Nomenclature and Classification of Hymenoptera in Yoloxóchitl Mixtec, an Endangered Language from Southwest Mexico” at the 37th Annual Meeting of the Society of Ethnobiology, Cherokee, NC, May 11-14, 2014. This paper examined the names and classification of over 50 Hymenoptera documented in the Mixtec village of Yoloxóchitl, Pacific Coast of Guerrero.

**Amith** delivered an invited presentation titled “Deciphering the Environment: The Challenge of Understanding the Nomenclature and Classification of Nature in Indigenous Mesoamerica” at the conference held by the Program in Latin American Studies and Department of Linguistics, University of Illinois, Urbana-Champaign, IL, April 10, 2014. This paper explored how the nomenclature and classification of nature across different Mesoamerican languages can give clues to historical patterns of migration and contact.

**Amith** presented a paper titled “Tonogenesis and Reduplication in Balsas River Nahuatl of Central Guerrero, Mexico” at the Workshop on the Sound Systems of Mexico and Central America, Yale University, New Haven, CT, 4-6 April, 2014. This paper explored the phonology of tonogenesis in two neighboring Nahuatl villages in central Guerrero, Mexico, and presented an analysis of how reduplication and tone interact in the Nahuatl of the villages.

**Amith**, with co-authors Ryan Shosted and Rey Castillo García, delivered a paper titled “Nasalization and Voiceless Obstruents in Yoloxóchitl Mixtec: An Aerodynamic Analysis” at the Workshop on the Sound Systems of Mexico and Central America, Yale University, New Haven, CT, April 4-6, 2014. This presentation reported the preliminary analysis of data from a nasalization study (measuring oral and nasal airflow) in Yoloxóchitl Mixtec.

**Rimvydas Baltaduonis, Assistant Professor of Economics**, delivered a three-day invited lecture series on “Retail Electricity Markets and Smart Grid Development” to graduate students at the International Business School, Vilnius University, Lithuania, May 7-9, 2014. The lectures introduced the participants to the latest developments in energy economics research, with focus on electricity production and consumption at the retail level.

**Baltaduonis**, with student collaborator **Vishal Bajpai ‘16**, taught at the annual seminar for the state public utility commissioners and their staff, organized by the Institute for Regulatory Law and Economics (IRLE), Aspen, CO, May 17-21, 2014. IRLE is sponsored by the University of Colorado’s 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. His research assistant, Vishal Bajpai, accompanied him to Aspen and provided needed programming and IT support.

**Baltaduonis**, with student collaborator **Bajpai**, conducted an Experimental Economics Workshop on Wholesale Electricity Auctions at the Federal Energy Regulatory Commission (FERC) in Washington, DC, July 16, 2014. His research assistant, Bajpai, accompanied him to FERC to assist with the demonstrations of latest economics experiments that were designed to simulate existing wholesale electric power markets.

**Baltaduonis** presented a paper titled “Abatement Investment Decisions under Alternative Emissions Regulation: An Experimental Investigation” at the Second Annual Haverford Meeting on Behavioral and Experimental Economics at Haverford College, Haverford, PA, June 7, 2014; at the Third Annual Summer Meeting of Economists, Vilnius, Lithuania, July 4, 2014; and at the Fourth Annual International Association for Energy Economics (IAEE) Asian Conference, Beijing, China, September 20, 2014. Dr. Baltaduonis was also one of the co-organizers of the first two conferences. The presentation discussed the performance of alternative regimes to control greenhouse gas emissions. The main focus was on the effects of a staged transition from a tax regime to a permit trading regime, which was recently attempted in Australia, relative to standard policy regimes such as a pure emissions tax and a pure emissions permit trading.

**Temma Berg, Graeff Professor of English Literature**, presented a paper titled “Looking at the Surface from its Depths: Anne Lister, Emily Brontë, and Charlotte Brontë’s *Shirley*” at the conference “The Phenomenology of Reading: Experiencing Literature Today,” Temple University, Philadelphia, PA, October 11-12, 2013. Dr. Berg’s paper argued that to understand a complex text like *Shirley*, a queer double-reading drawing on both surface reading and a hermeneutics of suspicion is necessary.

**Berg** presented a paper at the 44th Annual Conference of the East Central American Society for Eighteenth Century Studies, “Retirement, Reappraisal, and Renewal in the Eighteenth Century,” Philadelphia, PA, November 3-5, 2013. Dr. Berg’s paper was part of a roundtable in honor of Betty Rizzo and the publication of the edited collection *Women, Gender, and Print Culture in Eighteenth-Century Britain: Essays in Memory of Betty Rizzo*. The roundtable focused on Rizzo’s profound importance to eighteenth century studies, and particularly to the increasing importance of feminist scholarship since the 1970s.

**Berg** presented a paper titled “An Im/Modest Proposal: Anne Lister, Emily Brontë, and Charlotte Brontë’s *Shirley*” at the 21st Annual British Novelists Conference “The Brontë Sisters and their Work,” METU University, Ankara, Turkey, December 12-13, 2013. The paper explored the possibility that Yorkshire landowner Anne Lister’s transgressive life inspired Charlotte as she struggled to complete her third novel while her three siblings lay dying.

**Berg** presented a paper titled “Feminism Interrupted: Where Are We Now?” at the Southeastern Women’s Studies Association Conference “The Ebb and Flow of Feminism,” University of North Carolina at Wilmington, March 27-29, 2014. The paper looked at the many gloomy histories of second-wave feminism being published, and asked why they receive so much more attention than more enthusiastic ones. Such negativity, Dr. Berg argued, inevitably stems the tide of all feminisms.

**Michael Birkner, Professor of History and Benjamin Franklin Professor of Liberal Arts**, presented a paper titled “‘Murdoch’s Man’ in America: Randall Heymanson’s Promotion of the Anglosphere at the Onset of World War II” at the Annual Meeting of the Australian-New Zealand American Studies Association, University of Texas, Austin, TX, February 7, 2014. The paper explores the efforts of the managing director in New York City of the Murdoch newspaper syndicate in Australia to share news with Australians of American life, while at the same time making friends for Australia among U.S. opinion-shapers, and lobbying American policymakers to join the war effort against the Axis before Pearl Harbor.

**Paul Carrick, Adjunct Professor of Philosophy**, with co-presenters Arlene Bobonich and Richard Seneca, presented a symposium on health care decision-making and end-of-life care titled “Medical Ethical Decision-Making: Case Study Methodologies” at Pinnacle Health System’s Londonderry campus, Harrisburg, PA, July 15, 2014. The presenters’ interdisciplinary focus was on resolving felt conflicts of duty involving legal, medical, religious, and familial differences of opinion in end-of-life care.



**Daniel DeNicola, Professor of Philosophy**, delivered the Phi Beta Kappa Lecture at Washington College, Chestertown, MD, March 27, 2014. He also conducted a two-day residency. The lecture, titled “Flourishing as an Educational Project,” and classroom visits were based on DeNicola’s recent book, *Learning to Flourish*.

**Connie Devilbiss, Adjunct Professor of Sociology**, chaired a session and delivered two papers at the 84th Annual Meeting of the Eastern Sociological Society, Baltimore, MD, February 20-23, 2014. The session chaired was on “U.S. Military Economies and Cultures”; the papers presented were titled “Constructing the Invisible Box: First Steps toward a Greater Understanding of ‘Invisible Work’” and “Be a Man or Go Home! U.S. Military Culture and Transgendered Persons.” The overall theme of the ESS Conference was “Invisible Work.” There were also several themed mini-conferences, including the mini-conference on the military.

**Kay Etheridge, Professor of Biology**, presented a paper titled “Leonardo and the Whale” at the 60th Annual Meeting of the Renaissance Society of America, New York, NY, March 27-29, 2014. The paper focused on a young Leonardo’s encounter with a fossil whale, and how this may have influenced aspects of his art and scientific investigations.

**Etheridge** presented a paper titled “The Ecology of the Raupen Books” at a conference on Maria Sibylla Merian, University of Amsterdam, The Netherlands, May 26-28, 2014. This presentation focused on Merian’s study of factors central to ecological science, including her descriptions of environmental effects on insect development and abundance, and her observations on insect food choice and feeding behavior. Etheridge was a co-organizer of the conference.

**Amy Young Evrard, Associate Professor of Anthropology**, delivered an invited lecture titled “Righting the Family: Transnational and Local Frames for Women’s Rights in Morocco” at a conference hosted by the Global Gender Program at the Elliott School of International Affairs, George Washington University, Washington DC, August 7, 2014. Evrard was one of three scholars invited to present academic perspectives on the topic of “Women’s Empowerment and Equality: Challenges, Progress, and Opportunities” to an audience mainly comprising international development and women’s health professionals.

**Evrard** delivered an invited lecture titled “The Moroccan Women’s Rights Movement” at Aligarh Muslim University, Aligarh, Uttar Pradesh, India, May 2014. The lecture provided an introduction to the membership, goals, and recent work of women’s rights associations.

**Sandra Gill, Associate Professor of Sociology**, presented a paper titled “Birmingham 1963: A Microsociology of Memory” at Yale University, New Haven, CT, September 25, 2014. The presentation, delivered to faculty and graduate students, inaugurates Professor Gill’s semester as Visiting Fellow of Cultural Sociology at Yale.

**Nathalie Goubet, Associate Professor of Psychology**, with staff co-author **Daniel McCall, Associate Professor of Psychology**, presented a poster at the the XXIVth International Conference on European Chemoreception Research Organization, Dijon, France, September 12, 2014. The poster, co-authored by Dr. McCall and French colleagues, described the presence of non-random associations between odors and colors in French and American elementary school children. This work shows that children, similar to adults, consistently associate odors and colors, mostly based on the familiarity of odors encountered in their culture.

**Allen C. Guelzo, Henry R. Luce Professor of the Civil War Era**, delivered a presentation titled “Interpretations of Lincoln’s Religion” at the Annual Meeting of the American Historical Association, Washington DC, January 4, 2014. He spoke on “Was the Civil War a Second American Revolution?” at the John Ashbrook Center, Ashland University, Ashland, OH, October 8, 2013; on “Gettysburg: The Waterloo of the Rebellion,” as the Richard Smith Lecture at Ohio Wesleyan

University, Delaware, OH, October 10, 2013, and at the Center for Law and Free Institutions, University of California at Los Angeles Law School, November 7, 2013; on “Lincoln’s Emancipation Proclamation: Four Roads to Emancipation,” as the James E. O’Neill Lecture at Saginaw Valley State University, Saginaw, MI, October 17, 2013; at the Third Annual American History Teach-In, University of Oklahoma, Norman, OK, March 10, 2014; at Colgate University, Hamilton, NY, April 9, 2014; as the inaugural lecturer at the Center for the Study of American Statesmanship, Rochester Institute of Technology, Rochester, NY, April 10, 2014; on “The Gettysburg Address at 150,” as the Weeden Lecture at The Lawrenceville School, Lawrenceville, NJ, November 14, 2013; at Washington & Lee University, Lexington, VA, February 12, 2014; and as the Daugherty Lecture at The Hill School, Pottstown, PA, February 20, 2014. He also presented a four-part mini-series on “Mister Lincoln,” October 30 and December 1, 2013, and January 29 and March 5, 2014, in Kline Theatre, Gettysburg College, and participated in two “Gettysburg Great” panels, at the University Club, Washington DC, October 3, 2013; and at the Union League Club, New York, NY, March 18, 2014. He was also interviewed for *Meet the Press*’s “Press Pass” with David Gregory, January 26, 2014.

**Brent Harger, Assistant Professor of Sociology**, presented a paper titled “Friend and Foe: Negative Behavior in Elementary School Peer Groups” at the 109th Annual Meeting of the American Sociological Association, San Francisco, CA, August 15-19, 2014. This paper explores the ways that school culture contributes to the normalization of potentially negative behavior by examining the ways that behaviors such as teasing are used by a group of popular fifth grade boys at a rural elementary school.

**Caroline Hartzell, Professor of Political Science**, with student co-author **Lindsay Reid ‘11**, presented a paper titled “Mediation and Government Respect for Women’s Political Rights following Civil War” at the annual meeting of the American Political Science Association, Washington DC, August 28-31, 2014. This paper examines what effect, if any, mediation of civil war conflicts has on government respect for women’s political rights in the aftermath of civil war. We find that mediation that seeks to integrate formerly excluded warring parties into the postwar political structure has a positive effect on women’s rights, an outcome we conclude is a positive externality given that mediators almost never focus on the political rights of women in the process of mediating a civil war settlement.

**Hartzell** presented a paper titled “Good, Bad, or Ugly? Economic Power Sharing and Post-Conflict Power Relations” at the Third Annual Institutions for Sustainable Peace (ISP) Network Conference, Geneva, Switzerland, May 27-28, 2014. This study explores the potential that economic power sharing has to shape socio-economic relations in the post-conflict state, and examines what this implies for the nature of economic development following civil war.

**Julia Hendon, Professor of Anthropology**, with co-authors Jeanne Lopiparo and Doris Maldonado, presented a paper titled “Traces of Local Histories in the Landscape of the Lower Ulua Valley Then and Now” at the 79th Annual Meeting of the Society for American Archaeology, Austin, TX, April 15-19, 2014. The paper discussed how research and community archaeology programs have helped local residents of the valley connect with the Pre-Hispanic past embodied in key sites in the valley.

**Alvaro Kaempfer, Associate Professor of Spanish and Latin American Studies**, chaired a panel and delivered a paper presentation at the XXXII International Congress of the Latin American Studies Association (LASA), Chicago, IL, May 21-24, 2014. As part of the panel “From the ‘60s, Back and Forth: Reimagining/Reading Foundational Narratives,” Professor Kaempfer’s paper presentation dealt with the impact of natural disasters on the Latin American national imaginaries and narratives. Kaempfer considered the media and political reaction to the series of earthquakes in May 1960 in Chile in order to underline the displacement of the independence

celebration by a reading of national narratives anchored in nature and the nation itself as a reaction to natural disaster. The possibility of understanding such phenomenon requires a consistent interdisciplinary approach.

**Kaempfer** presented a paper titled “La persistente fantasía de una audiencia en la narrativa de Manuel Rojas” at the XL Congress of the Instituto Internacional de Literatura Iberoamericana, El Colegio de Mexico, Mexico City, Mexico, June 9-12, 2014. Professor Kaempfer’s presentation discussed the integration of popular, real and imagined, audiences in the narratives of mid-XX Century Chile, in order to identify the intellectual sensibility of Latin American writers to the emergent cultural and social movements looking to increase their participation in the construction of integrated national cultural systems. The objective is to delineate the audiences portrayed or “invited” to the fictional settings of canonical literary works.

**Benjamin Kennedy, Associate Professor of Mathematics**, delivered an invited lecture titled “Oscillation Speed and Periodic Solutions for a Class of Integro-Differential Equations with Negative Feedback” at the 10th AIMS (American Institute of Mathematical Sciences) Conference on Dynamical Systems, Differential Equations, and Applications, Universidad Autonoma de Madrid, Madrid, Spain, July 7-11, 2014. The lecture described dynamics arising in some novel classes of integro-differential equations with delays.

**Koren Lipsett, Professor of Chemistry**, with student co-author **Katherine Innamorati ‘14**, delivered a presentation titled “Determining the Genetic Basis of Equine Deafness via Candidate Gene Studies” at the annual Experimental Biology Conference of the American Society for Biochemistry and Molecular Biology, San Diego, CA, April 26-30, 2014. As a large mammal model for human diseases, this research focuses on identifying the gene responsible for deafness in a pedigree of Spanish Mustangs. This research will lead to a greater understanding of the genetic basis of human deafness.

**Lipsett**, with student co-author **Miles Paszek ‘14**, delivered a presentation titled “Investigating the DNA Binding and Transactivation Activity of rdyCRX as a Molecular Basis for Retinal Dysplasia in *Felis catus*” at the annual Experimental Biology Conference of the American Society for Biochemistry and Molecular Biology, San Diego, CA, April 26-30, 2014. In order to measure the functional effect of a mutated protein, in this case a transcription factor responsible for blindness in a pedigree of cats, an assay must be developed. This work demonstrated that we have the second of three components necessary to complete that assay.

**Stacey Mastrian, Assistant Professor and Coordinator of Voice, Sunderman Conservatory of Music**, was the soprano soloist in five performances of Schubert’s *Mass No. 6 in E Flat Major* with the CityMusic Cleveland Chamber Orchestra. Under the direction of Avner Dorman, they performed May 14-18, 2014, at five different venues across the Cleveland metropolitan area. The *Plain Dealer* praised the performance as “transporting” and “richly expressive.” “But the greatest delights were surely the five vocal soloists, who not only handled their own parts with distinction but also seemed made for each other musically. In the *Benedictus* and parts of the *Credo*, the voices of soprano Stacey Mastrian, mezzo soprano Sarah Beaty, tenors Joshua Blue and Seth Nachimson, and bass Joseph Trumbo fused into a single, multi-faceted and glorious instrument.”

**Kaoru Miyazawa, Assistant Professor of Education**, presented a paper titled “Teaching World Children’s Human Rights Issues in the 5th and 6th Grade Classroom” at the annual Asian Symposium on Human Rights Education, Hiroshima, Japan, August 3, 2014. Professor Miyazawa discussed her collaborative action research project in an elementary language arts classroom in Pennsylvania, focusing on possibilities and limitations of Martha Nussbaum’s (2002) notion of cosmopolitan citizenship education.

**Todd Neller, Professor of Computer Science**, presented and published *An Introduction to Monte Carlo Techniques in Artificial Intelligence—Part I*, newly-developed curricular materials for teaching Monte Carlo Simulation and Monte Carlo Reinforcement Learning algorithms, at the Fifth Symposium on Educational Advances in Artificial Intelligence, Quebec City, Quebec, Canada, July 28-29, 2014. These peer-reviewed materials provide a collection of novel, interesting, and fun Monte Carlo exercises with an emphasis on game AI applications. Exercises follow a progression of understanding and development complexity that provides an entry point to more complex MC techniques. Project specifications appear in the Model Artificial Intelligence Assignments repository (<http://modelai.gettysburg.edu/2014/mc1/index.html>); an abstract of the materials appeared in the conference proceedings. Monte Carlo (MC) techniques have become important and pervasive in the work of AI practitioners. In general, they use stochastic simulation to provide deep understanding of complex systems as long as important events are not infrequent. Despite the practical importance of the techniques, relatively few relevant assignments have been developed to date.

**Christina Petraglia, Assistant Professor of Italian Studies**, delivered a paper titled “(Trans)migrating Topsy-Turvy Time in Antonio Fogazzaro’s *Malombra*” at the Annual Conference of the American Association of Italian Studies (AAIS), University of Zurich, Switzerland, May 23-25, 2014. The paper departs from a treatment of Fogazzaro’s general appropriation and adaptation of certain gothic elements, to focus on how the Vicenzian author utilizes a prevalent trope in fantastic fiction—that of the double—in order to beg the eschatological question of life after death, while concurrently exploring the confines of consciousness.

**Petraglia** presented a paper titled “Oneiric Melodies and Spectral Canvases in Luigi Capuana’s Short Stories” at the international Italian Studies conference, “Intersezioni/Intersections: Italy in Music, Art, Literature, and Cinema,” Torino, Italy, June 6, 2014. The conference was co-sponsored by New Echoes and Voices in Italian Studies (NEVIS); North East Modern Language Association (NeMLA); California State University, Chico; Boise State University; and The College of New Jersey’s School of Humanities and Social Sciences. The paper demonstrates how Capuana utilizes musical scores and portraits in his short stories in order to reinforce his notion of the artist as a medium, inspired by unconscious forces from within, or supernatural forces from without.

**Janet M. Powers, Professor Emerita of Interdisciplinary Studies and Women, Gender and Sexuality Studies**, presented a paper at the Annual Meeting of the International Peace Research Association, Istanbul, Turkey, August 15, 2014. The paper, titled “Peace Building in the Balkans through Ethnic Dance,” dealt with work involving Catholic and Muslim Folk Dance Groups in an area with few civil society organizations, where tension between ethnic groups is still disruptive. This peace-building activity was conducted with the help of Marica Prozo, Bosnia refugee living in Gettysburg, over the course of three summers (2011-2013).

**Chloe Ruff, Assistant Professor of Education**, presented a paper titled “A Mixed Method Content Analysis of the Research Literature in College Student Development” at the First Biannual Conference of the International Mixed Methods Research Association, Boston, MA, June 27-29, 2014. Evaluating the recent use of mixed methodology by researchers in college student development, the paper examined how the research methods used in these studies matched current definitions of mixed methodology, and proposed categories to describe how quantitative and qualitative data were integrated (mixed) within these studies.

**Susan Russell, Associate Professor of Theatre Arts**, presented a paper titled “The Hope of Murder? A Pacifist Feminist Reconsideration of Oskar Kokoschka’s *Morder Hoffnung der Frauen*” at the annual conference of the International Federation of Theatrical Research, University of Warwick, Warwick, Great Britain, July 28-August 1, 2014. This paper examined critical reception of the first Expressionist play.



**Jack Ryan, Vice Provost and Professor of English**, participated in “Declarations of Independence: John Sayles as Author, Auteur, Founding Father,” a celebration of the work of pioneering independent filmmaker John Sayles, at the official opening of the John Sayles Archive at the University of Michigan, Ann Arbor, MI, June 4, 2014. Maverick independent filmmaker John Sayles directed films such as *Return of the Secaucus 7*, *The Brother from Another Planet*, and *Passion Fish*, but he is also a screenwriter, actor, and author. He donated decades of documents, images, props, and other material to the University’s archive, which also includes the work of American filmmakers Orson Welles and Robert Altman. The symposium brought Sayles collaborators and scholars from around the globe to discuss what makes him unique; Ryan was part of a scholarly panel titled “Sayles-ing the Seas of Diversity: John Sayles on Race, Ethnicity, and Genre.”

**Megan Adamson Sijapati, Associate Professor of Religious Studies**, presented a paper titled “Conceptualizing the Himalayas as a Muslim Space” at the Third Annual Himalayan Studies Conference for the Association of Nepal and Himalayan Studies, Yale University, New Haven, CT, March 14-16, 2014. As part of the panel “Himalayan Ummah: Global and Local Muslim Communities in the Himalayas,” this paper represents a preliminary attempt at conceptualizing the Himalayas as an Islamic space. In it, I raise the questions necessary for such a conceptualization to be undertaken, and consider new ways of thinking through regional and disciplinary paradigms.

**Sijapati** delivered an invited lecture titled “Contemporary Muslim Identity and the Rise of Islamic Revivalism” to the Sociology Department of Aligarh Muslim University, Aligarh, Uttar Pradesh, India, June 5, 2014.

**Stephen Sivi, Professor of Psychology**, delivered the keynote address at the 40th Annual Meeting of the Association for the Study of Play, Rochester, NY, April 24, 2014. The address, titled “How the Brain Uses Play to Help Prepare for Life,” presented recent research showing how play experiences during the juvenile period can have a positive impact on social and cognitive functioning in adulthood, and the neural substrates that may account for these effects.

**Sharon Stephenson, Professor of Physics**, delivered an overview talk titled “Nuclear Structure and Reactions with MoNA-LISA” at the Joint DNP Town Meetings on Nuclear Structure and Nuclear Astrophysics, Texas A&M University, College Station, TX, August 21-23, 2014. Presented on behalf of the Modular Neutron Array (MoNA) Collaboration, where Stephenson served as executive director last academic year, this overview talk was one of many given at a meeting designed to allow nuclear structure physicists a venue to develop our national long-range plan for nuclear physics research over the next five years.

**Stephenson** delivered the dinner lecture at the Society of Physics Students National Council Meeting at the American Center for Physics, College Park, MD, September 18, 2014. Stephenson was invited by the organizing committee. Her lecture, titled “Who Are Five Female Physicists I Could Ask?” gives a current look at the American landscape for women in physics. The title of this piece comes from a recent *Nature* editorial series about gender bias trends noticed from within that publication, and suggests one of many seemingly small but powerful ways we can lean against bias tendencies in the sciences.

**Eileen Stillwaggon, Professor of Economics**, delivered an invited address titled “El mal de Chagas en zonas no endémicas: Como llega a los más afectados?” at the Primera Jornada de Enfermedad de Chagas-Mazza, held at the Facultad de Medicina of Instituto Universitario de Ciencias de la Salud, Fundación H. A. Barceló, Buenos Aires, Argentina, April 24, 2014. This talk addressed the challenges of providing treatment for diseases that are on the verge of being eradicated to the millions of people already infected and who will remain infected for 60 years after



any new cases occur. It also addressed strategies for reaching infected people, who are generally marginalized undocumented immigrants.

**Stillwaggon** presented an invited paper titled “Morbidity Management and Disability Prevention for Lymphatic Filariasis: Costs and Benefits” at the 13th International Congress of Parasitology, Mexico City, Mexico, August 11, 2014. Lymphatic filariasis afflicts 120 million people across the world. Although the disease is targeted for elimination, the end of new infections will have only marginal effect on the 40 million people already severely disabled by the disease. Stillwaggon’s work demonstrates that simple and very inexpensive methods are effective in preventing disability among infected persons.

**Kerry Wallach, Assistant Professor of German Studies**, delivered an invited lecture titled “Projecting and Detecting Jewishness: Jewish Passing in Weimar Germany” at the University of Chicago, June 5, 2014.

Wallach was invited by the Department of Germanic Studies and the Council of Advanced Studies to participate in the speaker series “From Student to Scholar: Professional Trends in German Studies.” Her lecture considers the phenomenon of Jewish (in)visibility and dual legibility in the 1920s and early 1930s. In addition to the lecture, Wallach led a graduate student workshop on job market materials.

**Wallach** presented a paper titled “Do You Recognize This Man? Visibility and Jewish Caricature in Gustav Ucicky’s *Mensch ohne Namen*” at the Annual Conference of the German Studies Association, Kansas City, MO, September 18-21, 2014. This paper was part of a panel on coded representations of Jewishness in popular German film (1927-1934).

**Janelle Wertzberger, Director of Reference and Instruction, Musselman Library**, with Eric Jeitner of Arcadia University, delivered an invited presentation titled “If You Build It, They Will Come (If You Invite Them Thoughtfully): Institutional Repositories in Academic Libraries” at the Annual Meeting of the Pennsylvania Library Association’s College and Research Division, Glenside, PA, May 30, 2014. This presentation discussed important considerations for choosing an institutional repository platform, deciding what works are appropriate to include, building campus awareness about open-access publishing, and promoting a new repository.

**Randall Wilson, Associate Professor of Environmental Studies**, with student co-author **Sara Cawley ‘11** and co-author Thomas W. Crawford, presented a paper titled “Collaborative Conservation and Rural Sustainability in the American West” at the Annual Meeting of the Association of American Geographers, Tampa, FL, April 7-12, 2014.

**Wilson**, with student co-presenter **Adrienne Ellis ‘14**, presented a research poster titled “An Evolution of Landscape and Meaning: The Case of Gettysburg National Military Park” at the Annual Meeting of the Association of American Geographers, Tampa, FL, April 7-12, 2014. This paper draws from faculty-mentored work conducted by Adrienne as part of a senior research project. It examines the increasing role of collaborative resource management practices among GNMP managers, and how these render distinctive changes in the way the battle and its meaning has been represented to the public.

**Wilson**, with student co-authors **Rebecca Croog ‘14**, **Athena Mandros ‘14**, **Michaela Sweeney ‘14**, **Hannah Ehrmann ‘14**, and **Jessica Zupancic ‘14**, presented a research poster titled “Planning a Sustainable Community in Downtown Gettysburg” at the Annual Meeting of the Association of American Geographers, Tampa, FL, April 7-12, 2014. Using data collected as part of the Fall 2013 ES 400 Senior Seminar, we developed a sustainable development plan for selected parcels in the downtown area based on a number of ecological and socioeconomic variables. Using environmental planning principles and state-of-the-art planning software, the project sought to

enhance environmental quality, reduce automobile dependency, and significantly improve overall “livability” in downtown Gettysburg Borough.

**Wilson**, with co-author Thomas Crawford of East Carolina University, presented a research paper titled “Mapping Collaborative Conservation in the American West” at the International Symposium on Society and Resource Management, Hannover, Germany, June 7-16, 2014. This project used geographic information systems to construct a comprehensive map of significant collaborative resource management initiatives applied to federal lands in the Inter-Mountain West. The spatial data was then used to explore the relationship between the structure and form of collaborative initiatives and various indicators of socio-economic change in the region.

**Henning Wrage, Assistant Professor of German Studies**, delivered a presentation titled “East German American Television” at the annual German Studies Association Conference, Kansas City, MO, September 21, 2014. The presentation, part of a five-part panel series exploring the relationship between East German and American cultures, considered representations of American politics, cultures, and institutions in East German television. It discussed a number of productions of the East German broadcasting station “DFF” from 1961 to 1982 which show that America right from the beginning was and remained an object of continued fascination for the institution, due to its central function in the construction of imageries of the self and other.

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## PROFESSIONAL DISTINCTIONS AND AWARDS

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**Jonathan Amith, Research Fellow in Anthropology**, received supplementary funding from the Documenting Endangered Language program of the National Science Foundation for his project “Nahuatl Language Documentation Project: Sierra Norte de Puebla.” The one-year supplementary funding (\$24,800) is to support native speaker activity in the transcription and translation of digitally recorded texts on local natural history, particularly the nomenclature, classification, and use of flora and fauna.

**Amith** received supplementary funding from the Documenting Endangered Language program of the National Science Foundation to continue work on the project titled “Corpus and Lexicon Development: Endangered Genres of Discourse and Domains of Cultural Knowledge in Tu’un isavi (Mixtec) of Yoloxóchitl, Guerrero.” The two years’ funding (\$24,495) will support native speaker participation in the documentation (transcription of digital recordings) of Yoloxóchitl Mixtec, as well as Amith’s collaborative work on a dictionary and grammar of this language.

**Amith** received a three-year award from the National Endowment for the Humanities to complement funding from an National Science Foundation award titled “A Biological Approach to Documenting Traditional Ecological Knowledge in Synchronic and Diachronic Perspectives.” The three-year NEH grant (\$200,000) provides additional funds to strengthen the humanities implications of ethno-botanical research in seven communities (five Nahuatl and two Totonac) located in the Sierra Nororiental de Puebla, Mexico.

**Amith** received a three-year award from the Documenting Endangered Language program of the National Science Foundation for a project titled “A Biological Approach to Documenting Traditional Ecological Knowledge in Synchronic and Diachronic Perspectives.” The award (\$449,972 over three years) will aid in pioneering, with the Smithsonian Institution’s Molecular Biology Lab, the use of DNA barcoding of plants to facilitate the identification to species of sterile (non-flowering or fruiting) plant material collected as part of ethno-botanical research.

**Amith** was awarded funding (131,000 GBP) for a three-year project titled “Documentation of Nahuatl Knowledge of Natural History, Material Culture, and Ecology in the Municipality of Cuetzalan, Puebla” by the Endangered Language Documentation Programme, School of Oriental and African Studies, London, England. This project combines language documentation and ethnobiology by digitally recording, transcribing and analyzing narratives and conversations among native natural historians on their floristic and faunal environment.

**Allen C. Guelzo, Henry R. Luce Professor of the Civil War Era**, was awarded the inaugural Gilder-Lehrman Prize in Military History for *Gettysburg: The Last Invasion* at the New-York Historical Society, New York, NY, March 17, 2014. Guelzo (with Martin P. Johnson, author of *Writing the Gettysburg Address*) shared the Lincoln Prize for *Gettysburg* at the Union League Club, New York, NY, April 26, 2014. *Gettysburg* was also awarded the Fletcher Pratt Award of the Civil War Round Table of New York City, 3 West Club, New York, NY, May 14, 2014.

**Brian Matthew Jordan, Lecturer of Civil War Era Studies**, won the 2014 George Washington Eggleston Historical Prize for his doctoral dissertation, *Embattled Memories: Union Veterans and Their Unending Civil War*. The prize, awarded by the President and Fellows of Yale University, recognizes the best dissertation in U.S. history at Yale.

**Jordan** won the 2014 John Addison Porter Prize for his doctoral dissertation, *Embattled Memories: Union Veterans and Their Unending Civil War*. The prize, awarded by the President of Yale University, salutes “the best work of scholarship in any field where it is possible, through original effort, to gather and relate facts or principles, or both, and to present the results in such a

literary form as to make the product of general human interest.” The prize is “among the highest honors Yale confers.”

**Ryan Kerney, Assistant Professor of Biology**, with co-principal investigators Eunsoo Kim and John Burns of the American Museum of Natural History, was awarded an Early Concept Grant for Exploratory Research (EAGER) from the National Science Foundation in June 2014. The grant funds “Mechanisms of Establishing and Maintaining an Algal Endosymbiont in a Vertebrate Host,” an ongoing collaboration investigating symbiotic algal cells that enter salamander embryo tissues and cells during their development.

**Laurence Marschall, Professor Emeritus of Physics**, was awarded the 2014 Richard H. Emmons Award, given annually by the Astronomical Society of the Pacific for excellence in teaching college-level astronomy to non-science majors. The award cited the introduction of innovative teaching methods in classes as well as the development of Project CLEA, “a set of laboratory exercises that have revolutionized the teaching of introductory astronomy by having undergraduate students observe the sky, record data, and analyze that data. Project CLEA became the longest-running program funded by the Astronomy Education section of the National Science Foundation.”

**Randall Wilson, Associate Professor of Environmental Studies**, with student co-author **Sara Cawley ‘11**, and co-author Thomas W. Crawford of East Carolina University, was awarded the Association of American Geographers’ Rural Geography Specialty Group (RGSG) 2014 Award for Best Paper on the Rural American West, sponsored by Brigham Young University’s Charles Redd Center for Western Studies, at the Annual Meeting of the Association of American Geographers, Tampa, FL, April 7-12, 2014. The prize-winning paper was titled “Collaborative Conservation and Rural Sustainability in the American West.”

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## PROFESSIONAL OR CREATIVE ACTIVITY

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**Jonathan Amith, Research Fellow in Anthropology**, was invited to present his documentary, *Silvestre Pantaleon*, at the Casa Michoacana, Chicago, IL, February 19, 2014; and at the University of Illinois, Urbana-Champaign, Champaign, IL, April 8, 2014. This documentary, in Nahuatl with English and Spanish subtitles, tells the story of an elderly Nahuatl man in the village where Amith has carried out fieldwork for over 20 years.

**Rebecca Bergren, Dean for Global Initiatives**, was one of 20 International Education Professionals selected for the Diversity Abroad Future Leaders Summit, held in San Diego, CA, May 25-30, 2014. The Summit focused on attracting students from underrepresented groups to study abroad, with a focus on culture as a key barrier to participation. Funded by Diversity Abroad and CIEE, the participants spent two days collaborating on real solutions to this critical issue in education abroad. Bergren is also the current Workshop Dean for Education Abroad Advising for NAFSA: Association of International Educators. In this role, she is leading a curriculum revision for the national workshop on Education Abroad Advising. The project will be completed in May 2015.

**Tina Gebhart, Assistant Professor of Art and Art History**, won the Zanesville Prize for Contemporary Ceramics, juried by Sherman Hall, Brad Schweiger, and Angelica Pozo, Zanesville, OH, September 27-October 12, 2014. Professor Gebhart's *Sipping Caucus*, a set of not-standardly-matching mugs, boldly establishes territory for the artfully utilitarian pot in the largest prize exhibition exclusively for ceramics in the nation. Mugs for many days. Similar but not the same. Built of a standard set of features, recombined like DNA, a production hybrid approach that remains very decidedly in one-of-a-kind land. Sipping sips, across from one another, at morning time, at meeting time, the times where ideas are shared gently and without a desperate need for contrariness, where bipartisan collaboration can happen, and chatting is the right kind of seriously un-serious business.

**Rebecca Henry, Assistant Professor of Viola, Sunderman Conservatory of Music**, gave a presentation titled "Shifting with Ease" at the National Conference of the American String Teachers Association, Louisville, KY, March 6, 2014. She was also invited to give the Pre-College Violin Master Class for the conference. On March 5, she gave Master Classes and a string pedagogy lecture at the University of Western Kentucky School of Music, Bowling Green, KY. These lectures were geared toward the sequential training of techniques that integrate flexible physical motions with the musical flow.

**Chris Kauffman, Associate Professor of Theatre Arts**, taught a week-long seminar at the Williams College (Williamstown, MA) Summer Theatre Lab in July 2014, and performed two original comedies at international festivals. The seminar focused on the Neutral Mask and the process of Clowning as tools toward actor awareness and generating pleasure in performance. He then premiered a new solo work at the Winnipeg International Fringe Festival, and performed a recent collaboration of a two-man show, *Cabaret Terrarium*, at the San Francisco International Fringe Festival. *Cabaret Terrarium* was given a "Best of Festival" award.

**Ryan Kerney, Assistant Professor of Biology**, participated in an invited panel discussion, "The Fate of Salamanders in the Anthropocene," at the Annual Meeting of the Association for Environmental Studies and Sciences (AESS), New York, NY, June 11-14, 2014.

**Stacey Mastrian, Assistant Professor and Coordinator of Voice, Sunderman Conservatory of Music**, gave a master class in vocal technique, Italian diction, and interpretation for students and members of the community at the Scott Center, Carroll Community



College, Westminster, MD, September 18, 2014. That evening, Mastrian performed a recital titled “From Italy” with Sunderman Conservatory collaborative pianist **Scott Crowne**.

**Todd Neller, Professor of Computer Science**, presented “Amazons, Penguins, and Amazon Penguins” to the Gettysburg College Game Club, October 16th, 2013. In addition to presenting relatively recent innovations in abstract game design and tracing the relationships within the design, Neller introduced Paper Penguins, a variant of his own design with similar game mechanics.

**Neller** led an “Hour of Code” lab experience for the Migrant Education/21st Century after-school tutoring programs, December 4th, 2013. As the only “Hour of Code” in Gettysburg, we joined an estimated 15 million students worldwide in sharing a fun, hands-on introduction to the basic concepts of programming, or “coding.”

**Neller** presented “Plentiful Possibilities for Pen, Pencil, and Paper Play” to the Gettysburg College Game Club, February 12th, 2014. After presenting an inventory of common paper-and-pencil games, Neller presented basic strategy for Dots and Boxes, and shared the lesser-known games Sprouts, Jotto, Chomp, Pentominoes, and Word Squares, illustrating the great diversity of games playable with paper and pencil.

**Neller**, with student co-authors **Lorin Rumberger ‘14, Tim Cook ‘15, Lee Sieger ‘15, Luke Burtch ‘14, Anh Nguyen ‘14, Erin Brady ‘15, Gloria Mendoza ‘14, and Phoebe Eng ‘15**, offered an Android app, Jump Maze, at the Google Play Store, May 21, 2014. Jump Maze is an Android port of a 2010 student iPhone app that featured the world’s first computer-generated “rook jumping mazes,” very compact logic mazes that are simple to describe yet challenging to solve, and even more challenging to create. The design of the program generating these mazes is described in a prior student-faculty research paper, “Rook Jumping Maze Design Considerations.”

**Neller**, with student co-authors **Steven Semmel ‘16, John Duncan ‘17, Michael Booz ‘16, Jeff Kohart ‘17, Edward Makinde ‘15, and Marcin Malec ‘13**, offered an Android app, Red Light Race, at the Google Play Store, May 27, 2014. Red Light Race is a fair, two-player jeopardy chip/card game by Professor Neller based on the Gamewright jeopardy card game Fowl Play, which is, in turn, based on the folk jeopardy dice game Pig.

**Neller** co-chaired EAAI-2014: The Fifth Symposium on Educational Advances in Artificial Intelligence (AI), Quebec City, Quebec, Canada, July 28-29, 2014. He also co-chaired the Model Artificial Intelligence Assignments session; served as mentor in the AAAI Doctoral Consortium; led a Teaching and Mentoring Workshop; and presented the inaugural EAAI NSG Challenge, an annual research challenge to foster greater student-faculty AI research. Professor Neller was a cofounder of this symposium, which is collocated with and included in the proceedings of AAAI, the largest Artificial Intelligence conference in this hemisphere. Each year, he has organized the Model AI Assignments session, where accepted peer-reviewed curricular material is presented and released into a free public educational repository (<http://modelai.gettysburg.edu/>).

**Donald Tannenbaum, Associate Professor of Political Science**, chaired a panel for the Association of Politics and the Life Sciences titled “Current Research in Biology and Politics” at the Annual Meeting of the American Political Science Association, Washington DC, August 27-31, 2014. The papers presented included studies of “Evolutionary Perspectives on Women, Social Networks, and their Children’s Reproductive Strategies”; “The Food and Drug Administration and the Limits of Contraceptive Drug Management”; and “Psychological Illness in the White House.” These diverse titles give some sense of the many aspects of biopolitics.

**Kerry Wallach, Assistant Professor of German Studies**, co-organized the international conference “Undisciplined: German Jewish Studies Today” at the Leo Baeck Institute, London,

September 14-15, 2014. This conference, co-sponsored by the Leo Baeck Institute, Studienstiftung des deutschen Volkes, Fritz Thyssen Stiftung, and Queen Mary University of London, brought together scholars from a range of disciplines whose work connects to several key themes in German Jewish Studies (borders, corpora, language, and performance). The conference concluded with a reception at the German Embassy in London.



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