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The Faculty Notebook, March 1998

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The Faculty Notebook, March 1998

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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THE FACULTY NOTEBOOK

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March 1998

TENTH ANNIVERSARY OF *THE GETTYSBURG REVIEW*

Congratulations to *The Gettysburg Review* and to its staff and editor, **Peter Stitt, Professor of English**, for ten years of excellence; *The Review* has earned an unparalleled set of awards in the last decade, including over 100 prizes, honors and grants to the journal or to pieces published in the journal (see insert). The list of this academic year's awards alone is quite impressive, including **Best Journal Design** from the Conference of Editors of Learned Journals (once again). *The Gettysburg Review* also had two items — a story by Claire Davis and an essay by Charles Simic — reprinted in *The Pushcart Prize XXII: Best of the Small Presses*. Four additional items first published by the journal also received honorable mention. Finally, six pieces from *The Review* were honored as **Notable Essays of 1996** in the award-conferring volume *Best American Essays, 1997*.

FELLOWSHIP

Ian Ruark Clarke, Adjunct Assistant Professor of English, was awarded a Fellowship in Poetry for 1998 in the amount of \$10,000 from the Pennsylvania Council on the Arts. The grants in poetry are given biennially, with the goals of serving artists' development and recognizing outstanding creativity and originality. The winners are selected by a jury made up of established, out-of-state poets; this year only nine writers were awarded fellowships out of over 200 applicants. Ian plans to work on a book manuscript during the fellowship period.

PROMOTIONS

Bela Bajnok has been granted tenure in the Department of Mathematics and Computer Science and will be promoted to **Associate Professor of Mathematics and Computer Science**, effective September 1, 1998.

Deborah H. Barnes has been granted tenure in the English Department and will be promoted to **Associate Professor of English**, effective September 1, 1998.

Roy Dawes has been granted tenure in the Political Science Department and will be promoted to **Associate Professor of Political Science**, effective September 1, 1998.

Sharon D. Gratto has been granted tenure in the Music Department and will be promoted to **Associate Professor of Music**, effective September 1, 1998.

Koren A. Holland has been granted tenure in the Chemistry Department and will be promoted to **Associate Professor of Chemistry**, effective September 1, 1998.

Steven W. James has been granted tenure in the Biology Department and will be promoted to **Associate Professor of Biology**, effective September 1, 1998.

Magdalena Sanchez has been granted tenure in the History Department and will be promoted to **Associate Professor of History**, effective September 1, 1998.

PUBLICATIONS

Bela Bajnok published "The Conductor of Positive Integers, a Problem of Fröbenius," a paper on number theory, in *Mathematics and Informatics Quarterly*. Two Gettysburg students worked with Bela on the piece and are mentioned in the acknowledgments: Jamison DeLorenzo ('99) and Jay Henniger ('99).

Bela has also had an article, titled "Constructions of Spherical 3-Designs," accepted for publication at *Graphs and Combinatorics*. This is a paper on combinatorial geometry, and Bela's former student, Charlie Ross, is mentioned in the acknowledgments.

Finally, Bela and his co-author, G. Brinkman, had another piece, titled "On the Independence Number of Triangle-Free Graphs with Maximal Degree Three," accepted at the *Journal of Combinatorial Mathematics and Combinatorial Computing*. This paper involves graph theory and the theory of algorithms.

Robert Bornstein, Professor of Psychology, recently co-edited a volume of research on unconscious processes with J.M. Masling, titled *The Psychoanalytic Unconscious* (Washington, DC: American Psychological Association). This collection of essays by leading researchers examines the links between unconscious mental processes and contemporary research in psychology, psychiatry, cognitive science, and socio-biology.

Bob also published several journal articles, including "Depathologizing Dependency" in the *Journal of Nervous and Mental Disease*; "Dependency in the Personality Disorders: Intensity, Insight, Expression, and Defense" in the *Journal of Clinical Psychology*; and "Long-term Retest Reliability of Interpersonal Dependency Inventory Scores in College Students" in *Assessment*. These articles are all products of Bob's long-term research program assessing the adaptive and maladaptive features of interpersonal dependency.

Finally, Bob published a book chapter as well, entitled "Pharmacological Treatments for Borderline Personality Disorder: A Critical Review of the Empirical Literature," in S. Fisher & R. P. Greenberg (Eds.), *From Placebo to Panacea: Putting Psychiatric Drugs to the Test* (NY: Wiley). This piece is a comprehensive review of the literature on the efficacy of drug treatments for a particularly intractable form of personality pathology. Overall, no drug -- or combination of drugs -- has proven effective in ameliorating the symptoms of this disorder.

Ian Clarke has two poems, "Hearing Gabriel" and "Bluejay in Spring Rain," forthcoming in the journal *Yarrow*. In addition, "The Once Ripe Hills" appeared in *The Laurel Review*, and "The Susquehannocks Return from Meeting with Captain Smith, 1608" appeared in *Shenandoah*, a journal supported by Washington and Lee, which, according to a writer for the *Literary Magazine Review*, "has more beauty and life between its covers than anything I have read in a long time."

Deborah Larsen Cowan, Associate Professor of English, has had a poem entitled "Thumbelina, the Tulip, the Pope," accepted by the journal *The Hollins Critic*. The poem evokes Emily Dickinson, Thumbelina, and William Wordsworth, ranging them--under the rosy umbrella of a tulip--against someone who looks like a pope.

Roy Dawes co-authored an article with A. Hunter Bacot, entitled "State Expenditures and Policy Outcomes in Environmental Program Management." This paper -- which provides evidence that the use of state environmental expenditure data in most situations provides a more robust measure of state environmental effort than do the more commonly used state rankings on environmental indicators -- has been accepted for publication in *Policy Studies Journal*, which was ranked number two (of thirty-six) in the most recent ratings of public policy/public administration journals.

Swift Stiles Dickison, Adjunct Assistant Professor of English, published the Instructor's Manual for *A Web of Stories: An Anthology of Short Fiction*, edited by Jon Ford.

James P. Fink, Professor of Mathematics and Computer Science, published an article entitled "Review of Interactive Differential Equations" in the *College Mathematics Journal*. The article describes the Interactive Differential Equations package, which is a group of interactive computer tools for exploring differential equations and their application to mathematical modeling, and discusses how the package can be incorporated into a modern differential equations course.

Richard C. Foltz, Assistant Professor of Religion, published an unusual translation of dialogues between Emperor Nur al-Din Jahangir, ruler of the Mughal Empire of India, and "Mutribi" al-Asamm Samarqandi, an elderly visitor from Samarqand, entitled *Conversations with Emperor Jahangir* (Mazda Publishers). Of the book, Ainslie T. Embree, Professor Emeritus of History at Columbia University, writes: "With this elegant translation of a little-known Persian work by a Central Asian visitor to the Mughal court...Richard Foltz has made an outstanding contribution to our knowledge of one of the great periods of literary and artistic activity. Foltz has put both his scholarly peers and the general reader in his debt, a feat not often accomplished by scholars in his difficult and demanding field."

Richard also published an article, entitled "Central Asians in the Administration of Mughal India," in the *Journal of Asian History*. This piece explores the importance of Central Asian immigrants within the Mughal administration in India over a period of nearly two centuries, suggesting a degree of cultural unity throughout Muslim Asia that permitted and encouraged the movement of individuals across imperial boundaries.

Peter Fong, Assistant Professor of Biology, published a paper, coauthored by two Gettysburg students, Peter Huminski ('98) and Lynette D'Urso ('97). The paper, entitled "Induction and Potentiation of Parturition in Fingernail Clams by Selective Serotonin Reuptake Inhibitors (SSRIs)," was published in the *Journal of Experimental Zoology*. A research note, titled "Prozac works on clams and mussels" -- which discusses Peter's research on the effects of Prozac on sex in clams and mussels -- also appeared in the January 1998 issue of *Science News*. In addition, Peter had another paper accepted for publication in the April issue of the *Journal Biological Bulletin*, entitled "Zebra Mussel Spawning is Induced in Low Concentrations of Putative Selective Serotonin Reuptake Inhibitors."

Peter's research compares the way Prozac works in humans to the way it works on a clam or zebra mussel. Prozac works to relieve depression in people by increasing the availability of a brain chemical, serotonin, but when you apply serotonin to a clam or zebra mussel, they have sex. This tells us that the same serotonin mechanisms for relieving depression in humans also exist in clams and mussels, but instead of controlling depression, they control sex.

Mathew Forstater, Assistant Professor of Economics, currently **Visiting Scholar at the Jerome Levy Economics Institute at Bard College**, had a paper titled "Flexible Full Employment: Structural Implications of Discretionary Public Sector Employment" accepted for publication in the *Journal of Economic Issues*.

Mat also had two Working Papers published by the Jerome Levy Economics Institute, entitled "Selective Use of Discretionary Public Sector Employment and Economic Flexibility" and "Policy Innovation as a Discovery Procedure: Exploring the Tacit Fringes of the Policy Formulation Process."

Robert R. Garnett, Associate Professor of English, published an article titled "Desire and Agnes in David Copperfield," in *Dickens Quarterly* journal. The article takes a more skeptical approach to analyzing David Copperfield, which has always been understood as a novel charting the hero's triumphant progress -- to his proper vocation, to financial security, to a good marriage, to moral maturity, and the like. Rob suggests that the novel also traces a less heroic retreat from the temptations of the flesh, and he argues that this exemplary allegory, though pious, is not particularly convincing.

Julia A. Hendon, Assistant Professor of Sociology and Anthropology, published a chapter entitled "Women's Work, Women's Space and Women's Status among the Classic Period Maya Elite of the Copan Valley, Honduras," in Cheryl Claassen and Rosemary Joyce (Eds.), *Women in Prehistory: North America and Mesoamerica* (University of Pennsylvania Press). The article uses artifacts excavated from elite house compounds at the Maya site of Copan in Honduras to identify what kinds of activities women undertook in and around these houses; Julie finds that high status Maya women were active producers of highly valued prestige goods through their activities of spinning thread and weaving cloth.

Steven W. James published a paper in collaboration with the laboratory of Dr. Stephen Osmani at the Pennsylvania State University, and co-authored by four Gettysburg students, entitled "Proteolysis and Tyrosine Phosphorylation of p34^{cdc2}/cyclin B: the Role of MCM2 and the

Initiation of DNA Replication to Allow Tyrosine Phosphorylation of p34^{cdc2} in the *Journal of Biological Chemistry*. This paper features the work of Scott E. Gyax ('96), Kevin B. Ryan ('95), and Adam N. Wexler ('97), who isolated the MCM2 gene and determined its DNA sequence; and the work of Kimberly K. McNeal ('97), whose experiments with MCM2 revealed its function as a key regulator of cell division.

Larry Marschall, Professor of Physics, Tod Ramseyer, Rajan Anand ('98), and Ben Laaksonen ('95) co-authored an article, along with faculty and students at F&M and astronomers from Ohio State University and the Smithsonian Astrophysical observatory, for *Astrophysical Journal* entitled "New Rotation Periods in the Pleiades: Interpreting Activity Indicators." The paper was based on research conducted by students at the National Undergraduate Research Observatory in Flagstaff, Arizona.

Kristen Nelson, Assistant Professor of Environmental Studies, published a book, entitled *Investigacion en Sahcaba, Yucatan: la Experiencia de PROTROPICO-FMVZ-UADY*, with several coauthors. The book was the first of a series, which has grown out of the research program Kristen coordinated for the Natural Resource Management Program in Mexico, funded by the Rockefeller Foundation. Kristen launched the project, designed the research, and facilitated analytical workshops as coordinator, and occasionally also takes on the role of author. This book was one of three published in 1997, with five more planned for 1998.

Jack Ryan, Assistant Professor of English, had two articles published in the January/ February issue of *Creative Screenwriting*, which devoted the entire issue to the art of dialogue. "Voices in the Picture" examines how the independent film-maker John Sayles uses ordinary speech in his screenplays, and "Rules of the Game" explains how golf is used as a trope in the film "City of Hope."

Eileen M. Stillwaggon, Assistant Professor of Economics, published a book titled *Stunted Lives, Stagnant Economics: Poverty, Disease, and Underdevelopment* (Rutgers University Press, 1998). The book describes the living conditions of the poor in low and middle income countries and shows the impact of those living conditions on health. It also demonstrates the retarding effect of poor health on economic development. In fact, the book shows that poor health is primarily an economic, not a medical, problem, and it offers practical, low-cost solutions to the health, housing, and sanitation problems of developing countries.

Amy Trevelyan, Associate Professor of Visual Arts, and Michael Lubold ('92) published a chapter in *Celebration of Indigenous Thought and Expression* (Lake Superior State University Press). The piece is a comparative analysis of Plains Sun Dance ritual and Southeastern Busk or Green Corn ceremonial practices -- the primary focus in the ritual calendar for all participant groups. Important similarities suggest that the historic versions of both rituals may have been rooted in the traditions of the pre-contact Southeastern Ceremonial Complex.

PROFESSIONAL PAPERS AND PRESENTATIONS

Rebecca A. Bergren, Coordinator of Off-Campus Studies and International Student Affairs, chaired a session entitled "Advising Students with Special Needs" at the Regional Conference of NAFSA: Association of International Educators. This session was chosen as "Best of the Region" and will be offered again at the national conference in May, 1998.

Swift Stiles Dickison presented a paper at Essex Community College for the Association of Faculties for Advancement of Community College Teaching. Swift also chaired a panel at the Modern Language Association Convention in Toronto, titled "'Canadian Experience': Trans-colonial Imaginations of Caribbeaness," which featured work on Caribbean Canadian Writing.

Christopher R. Fee, Assistant Professor of English, presented a paper titled "Trial by Ordeal and the Nature of the Soul: Influences of Popular Justice in the Middle English Romance of *Aethelston*," at the Growth of Authority in the Medieval West International Conference, at the Rijksuniversiteit Groningen, The Netherlands. The paper focuses on how a literary text of the fourteenth century helps to explicate conflicts between legal, religious, and philosophical models of authority which have their roots in the Germanic age of migrations, and which are not fully resolved throughout the course of the medieval period.

Jerise Fogel, Assistant Professor of Classics, presented "'Formalised Speech' in 20th Century Madagascar and Late Republican Rome" at the LOGO Conference for International Rhetoric in Salamanca, Spain. The paper describes how Cicero's oratory shares ground with 'formalised speech': Cicero's use of these standard rhetorical tropes shows not his creativity but rather his ability to draw on and elaborate on a commonplace theme with a moral already clear to his audience and approved by them.

Peter Fong delivered a paper, coauthored by Peter Huminski ('98) and Lynette D'Urso ('97), titled "Selective Serotonin Reuptake Inhibitors (SSRIs) Induce Spawning and Parturition in Freshwater Bivalves" at the annual meeting of the Society for Integrative and Comparative Biology in Boston.

Mathew Forstater delivered a paper, "Employing the 'Reserve Army': Structural Implications," in a session on "Full Employment and Price Stability for the 21st Century" at the 1998 Allied Social Science Association annual meetings in Chicago. Mat also chaired a session on "Money and Taxes in Capitalist Economies" at the same meetings.

In addition, Mat presented a paper entitled "Structure, Behavior, and Motivation" at the 1998 Eastern Economic Association in New York. He also chaired two sessions at the Eastern Economic Association, a "Roundtable on Full Employment" and a session entitled "Economics and Virtue." He also served as a discussant on a session on the "Traverse." Mat organized six sessions for the 1998 EEA: "The Contributions of Hyman P. Minsky to Economic Policy," "European Monetary Union: Looking Forward to Post-1999," "Roundtable on Full Employment," "Deficits in Our Understanding," "Globalization and Stagnation," and "Alfred Schutz and Economics."

Cecil Gray, Assistant Professor of Religion and Coordinator of African American Studies, delivered an invited presentation entitled, "To Change the World, To Change the Self: Social Transformation, Love and More Love, and Subterranean Spiritual Threads Within the Work of Sonia Sanchez," at the Celebrating the Enduring Creative Genius of Sonia Sanchez Conference at Drexel University.

Marta Robertson, Assistant Professor of Music, presented a paper at the American Musicological Society for a "Workshop on Diversity in the Core Music History Course," which addressed how incorporation of movement could enrich a student's musicianship and historical knowledge. Marta was also on the program committee for the Sonneck Society for American Music Conference, at which she chaired a session called "Imagining the Frontier" and presented a paper titled, "The Cover Letter and Vita: Getting to the Short List."

Rodney S. Tosten, Associate Professor of Mathematics and Computer Science, designed and delivered a "Network Programming with Java" workshop at the 29th Association for Computing Machinery, Special Interest Group on Computer Science Education, Technical Symposium in Atlanta -- the national conference for computer science educators. The workshop was designed to help those who are familiar with TCP/IP and object-oriented concepts to become more familiar with the use of Java in Internet-based networking.

Amy Trevelyan had a paper, "Corn, Critters, Cosmology and Other Clues: the Southeastern Ceremonial Complex Iconographic Working Group," presented at the Native American Art Studies Association Biennial Conference in San Francisco. The paper was an update on work done in an interdisciplinary workshop that focused upon pre-Columbian ritual art from the southeastern United States.

PROFESSIONAL DISTINCTIONS

Frank M. Chiteji, Associate Professor of History and African American Studies, was recommended for a lecturing and research award under the 1998-99 Fulbright program with Malawi by the Council for International Exchange of Scholars. This recommendation by the Council is the first of several stages in the selection process.

John Commito, Professor of Environmental Studies and Biology and Coordinator of the Environmental Studies Program, served as a member of the National Screening Committee for the Institute of International Education. John helped to select American graduate students for study abroad.

Deborah Larsen Cowan was elected President of the Community Service Network for the states of Pennsylvania and New Jersey. This group is an arm of the Pennsylvania/New Jersey Rural Electric Association and actively involves itself in charitable projects which benefit individuals and communities.

Larry Marschall was appointed deputy press officer of the American Astronomical Society and will be assisting in coordinating releases and running press briefings at national astronomy meetings, along with the chief press officer, Dr. Steven Maran of Goddard Space Flight Center, and a co-deputy, Dr. Lynn Cominsky, of Sonoma State University.

Carolyn Snively, Associate Professor of Classics, served as a member of the National Screening Committee for the Institute of International Education. Carolyn helped to select American graduate students for study abroad.

Amy Trevelyan was awarded Fellowship status at the Robert S. Peabody Museum of Archaeology based upon her research in, and contributions to, the understanding of the iconography of the Southeastern Ceremonial Complex.

PROFESSIONAL ACTIVITIES

Michael J. Birkner, Professor of History, published a piece on Warren Harding entitled "This Sex Scandal Wasn't: Facts Proved to Be on Harding's Side," in the January 25th *Concord Monitor*. The piece, which compares the books, rumors, and innuendo about Warren Harding's private life (one scholar describes it as "one of cheap sex episodes") to those about Bill Clinton, was also out on the Scripps Howard wire and appeared in various papers across the country.

Gabor Boritt, Fluhrer Professor of Civil War Studies, published "Not So Honest Abe: Lincoln's Road to Success Was a Lot Swampier Than Legend Would Have It," in the February 15th *New York Times*. The piece was a full page review of *Honor's Voice* by Douglas Wilson (Knopf). While the book pictures Young Man Lincoln transforming himself from hogdriver, blasphemer, and whoremonger -- a man of deep insecurities -- into a respectable lawyer-politician, Gabor writes that it should be used with both "admiration and a critical eye."

Gabor also gave a talk in Gettysburg on Nov. 16, 1997, at the Lincoln Forum entitled "Ancestral Memories." The lecture was carried on C-Span on January 2, 1998, and an earlier version was carried by CNN. Finally, The Library of Congress's 1998 exhibit of "Top Treasures" includes the first draft of the Emancipation Proclamation and Lincoln letter; Gabor provides a four minute taped discussion of the documents for the visitors wand.

Peter Fong was interviewed for a science program called "Science and Society," sponsored by National Public Radio, on his work with Prozac and sex in zebra mussels. Peter was also interviewed on this "hot" topic for the science section of the February 17th *New York Times*.

Cecil Gray was interviewed about 'The Million Man March,' 'The Million Woman March,' and 'The Promise Keepers Gathering' by several news services, including *The Philadelphia Inquirer*. Cecil also authored a syndicated article, titled "Rap/Hip-Hop/Hip-Hope Music and Culture and Tupac Shakur," which appeared in at least thirteen newspapers nationwide. In addition, Cecil delivered the Convocation Keynote Address, titled "Hip-Hop, Tupac, God, and Justice," in celebration of Black History Month at Huntingdon College in Montgomery, Alabama.

Margaret M. Nicholson, Assistant Professor of Management, was Conference Leader for a Social Systems Sciences reunion and conference entitled "The Systems Approach: The New Generation." The conference was held in late February at The Wharton School, University of Pennsylvania, with the purpose of exploring developments in Systems Theory and to honor Professor Russell L. Ackoff.

CREATIVE ACCOMPLISHMENT

James D. Agard, Associate Professor of Visual Arts, had a one-man exhibition, featuring eleven new illusional steel wall structures, on view in the Schmucker Hall Art Gallery.

WORKSHOP

Three Gettysburg College faculty members took a leading role at the "Teaching Workshop for New Faculty," which was held at the Hershey Hotel in early February under the auspices of the *Central Pennsylvania Consortium*. **Michael Birkner** gave a presentation entitled "A Sense of Where You Are: Adapting to the Realities of the 90's Classroom," **Jean Potuchek** led a discussion on "Problems in the Classroom: Strategies and Solutions," while **Cecil Gray** took part in a panel session entitled "Things I Know Now I Wish I Had Known Then: Second Year Faculty Members Share Their Tips for Success."



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