



9-1999

The Faculty Notebook, September 1999

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"Faculty Notebook, September 1999," Vol IV, No 1 (September 1999), Provost's Office, Gettysburg College.

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The Faculty Notebook, September 1999

Abstract

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

Keywords

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

Disciplines

Library and Information Science | Scholarly Publishing



THE FACULTY NOTEBOOK

Vol. IV, No. 1

September 1999

GRANTS AND FELLOWSHIPS

Véronique A. Delesalle, Associate Professor of Biology, and Susan Mazer, Associate Professor of Biology at the University of California at Santa Barbara, have been awarded a grant from the National Science Foundation to study the evolution of sex ratio and gender in selfing versus outcrossing sister species of the genus *Clarkia* in the evening primrose family (Onagraceae). Making use of the well-supported observation that selfing species allocate less resources to male function, Véronique and Susan have proposed a novel set of predictions concerning the expected genetic variation in gender and floral traits for these plants. In particular, they propose to test the hypothesis that selfing species—unlike outcrossing species—will show no trade-off in the way they allocate resources to male and female function. They will test this hypothesis by performing a series of field and greenhouse experiments. The award, which will be distributed over a four and a half year period (\$79,277 to Gettysburg and \$223,582 to UCSB), will support Veronique's fieldwork in California and greenhouse work at Gettysburg along with the activities of five Gettysburg undergraduates as well as post-doc, graduate and undergraduate students at UCSB.

Chris R. Fee, Assistant Professor of English, Charles Hannon, Instructional Technologist, and student technical assistant Joe Zoller received a grant of \$6500 from the Central Pennsylvania Consortium for travel to and research in Britain this summer. These funds, in conjunction with a Faculty Research and Development Grant, allowed them to capture digital images with which they created Quick-Time Virtual Reality (QTVR) panoramas of a number of significant cultural and archaeological sites in Britain. These panoramas are being used to construct virtual tours of ancient British cultures by the F&M and Gettysburg students enrolled in Fee's English 319 teleconferencing course this fall.

Peter P. Fong, Assistant Professor of Biology, was awarded \$2500 from the New Jersey Sea Grant program to support a Gettysburg College student, Caroline Philbert, for summer research on spawning induction in Virginia oysters. She examined the effects of selective serotonin re-uptake inhibitors such as the prescription drug Prozac. Part of the research was done at the Virginia Institute of Marine Science in Williamsburg.

Steven W. James, Associate Professor of Biology, received a grant from the National Science Foundation (a REU supplement to an existing NSF grant) that enabled him to provide 1999 summer research opportunities to five Gettysburg students: Katie Burns, Holly Massimilla, Marc McCleary, Karen Messner, and Tim Schwartz. In addition, a high school student from the Gettysburg Area School District, Selene Baker, was also able to participate. The students carried out full-time research for ten weeks, applying a variety of genetic and recombinant DNA

techniques to study cell division control genes in the filamentous fungus, *Aspergillus nidulans*. These efforts resulted in the identification and isolation of two new genes that will form the basis for much future work at Gettysburg College.

Donald L. Jameson, Professor of Chemistry, has received a Petroleum Research Fund grant for \$30,000 from the American Chemical Society. The grant will support Don's research on "New Diterpyridine Ligands for the Generation of Helicates of Octohedral Ions."

Laurence A. Marshall, Professor of Physics, and colleagues Glen A. Snyder, Richard P. Cooper and Michael B. Hayden received a new grant in June of \$210,828 from the National Science Foundation for "Project CLEA: Contemporary Laboratory Experiences in Astronomy." The grant will be used to continue development of the program and to run summer workshops and national outreach programs in astronomy education.

John E. Ryan, Assistant Professor of English, received a grant from the Division of Higher Education and Schools of the Evangelical Lutheran Church in America to attend Bard College's Writing and Thinking Summer 1999 Workshop.

PUBLICATIONS

Randolph Aldinger, Associate Professor of Physics, has published a book entitled *The Evolution of the Universe: from the Big Bang to the Present* with Primis Custom Publishing, McGraw-Hill Companies. Randy also recently published an article, "Berry's Connection in a Quantum Relativistic Description of the Curved Space Analogue of Development," in *Proceedings of the Conference on Trends in Mathematical Physics*.

Gloria Allaire, Assistant Professor of Italian, published *Modern Retellings of Chivalric Texts*, a collection of essays that she edited, in May. She also had an article, "A Fifteenth-Century Florentine Community of Readers and the Romances of Chivalry," in *Essays in Medieval Studies*, viewable on-line at <http://www.luc.edu/publications/medieval>, and a second article, "An Overlooked Exemplar of *Guerrino Meschino* by Andrea da Barberino (BAV, Barb. Lat. 3988)" in *Manuscripta*.

Martha E. Arterberry, Associate Professor of Psychology, published "Illusory conjunctions: The conjoining of features of real and imagined stimuli" in the August issue of the *Journal of Experimental Psychology: Human Perception and Performance*. Co-authors are Catherine Lemley and Adam Reeves. Catherine Lemley and Martha collected the data for this paper when Catherine was a visiting professor in Psychology at Gettysburg. She is now tenured at Elizabethtown College. Adam Reeves is a professor at Northeastern University. The paper investigated feature-integration theory with imagined stimuli.

Temma F. Berg, Associate Professor of English, had an article, "Evelyn De Morgan: A Pre-Raphaelite Sister," accepted for publication by *Victorians Institute Journal*. Also, her encyclopedia article about the eighteenth-century writer Charlotte Lennox was included in the *Encyclopedia of British Women Writers*, just published by Rutgers University Press.

Michael J. Birkner, Professor of History, recently published "Remembrance of Good Times: Teenage New Jersey," a review of an exhibition at the New Jersey Historical Society in its new location in downtown Newark. The review appeared in *Winterthur Portfolio*, a publication of The Henry Francis du Pont Winterthur Museum. The exhibit "explored how teenagers came to constitute a distinctive subculture, recognized by their peculiar music, slang, hairstyles, high school life, clothes, cars, and hangouts."

Robert F. Bornstein, Professor of Psychology, published two chapters in edited volumes. One chapter was entitled "Dependent and histrionic personality disorders" and appeared in the *Oxford Textbook of Psychopathology* from Oxford University Press. The other chapter (co-authored with Thomas Widiger of the University of Kentucky) was entitled "Histrionic, narcissistic, and dependant personality disorders" and appeared in the *Comprehensive Handbook of Psychopathology* from Plenum Press. Bob also published four articles in refereed journals. These include "Criterion validity of objective and projective dependency tests: A meta-analytic assessment of behavioral prediction" in *Psychological Assessment*; "Histrionic personality disorder, physical attractiveness, and social adjustment" in *Journal of Psychopathology and Behavioral Assessment*; "Objectivity and subjectivity in psychological science: Embracing and transcending psychology's positivist tradition" in *Journal of Mind and Behavior*; and "Source amnesia, misattribution, and the power of unconscious perceptions and memories" in *Psychoanalytic Psychology*.

Deborah Larsen Cowan, Associate Professor of English and M. S. Boyer Chair in Poetry, publishing as "Deborah Larsen," had a poem, "Two Czech Scholars in Mud Time," appear in the July 26, 1999, issue of *The New Yorker*. The poem, set in open fields near Gettysburg, is partly based on an actual incident and reveals a keen eye for migrating warblers. Deborah also published another poem, "A Gloss on Cats in Exodus," in the Winter 1999 special issue of *Columbia: A Journal Of Literature and Art* from Columbia University. This "poem-as-gloss" defends Christopher Smart's famous line about the Lord's comments to Moses concerning cats.

Bret A. Crawford, Assistant Professor of Physics, and Sharon Stephenson, Assistant Professor of Physics, collaborated on a recent publication entitled "Neutron Resonance Spectroscopy of ^{117}Sn from 1 eV to 1.5 keV" along with colleagues from the Los Alamos Laboratory and Duke University. The paper was published in *Physical Review C*. Their research is described more fully in the Professional Activities section of this Notebook.

Nancy K. Cushing-Daniels, Assistant Professor of Spanish, has a book, *Breaking Boundaries, Forging Friendship: The Convent and Women's Writing in Seventeenth Century Spain*, about to be published by University of the South Press. The book is expected in March of 2000.

Pastor Joseph A. Donnella, Chaplain of the College, is a co-author of the introduction and contributor to the liturgical texts of *This Faith by Far: An African American Resource for Worship* published by Augsburg Fortress, 1999. The text is a hymnal designed by and for African Americans within the Lutheran church.

Robert S. Fredrickson, Professor of English, will have a memoir published in the Spring 2000 issue of *The Ohio Review*. The piece, entitled "*Temps Perdu*," concerns reading Proust while vacationing in a French village on St. Martin.

Karen J. Frey, Assistant Professor of Management, has had "ABC, TOC, and Financial Reporting: Have Your Cake and Eat It Too," co-authored with Charles J. Coate, SUNY-Geneseo, accepted for publication in the *Journal of Cost Management*. The article demonstrates how to use both Activity-Based Costing (ABC) and Theory of Constraints (TOC) principles in conjunction with product costing, management decision-making and periodic financial reporting.

Fritz R. Gaenslen, Associate Professor of Political Science, has an entry entitled "Political Decision Making" slated to appear in the *Encyclopedia of Psychology* which will be published by the American Psychological Association and Oxford University Press. Fritz also published an extended review of *Farewell to Peasant China: Rural Urbanization and Social Change in the Late Twentieth Century*, an account of the first large-scale urban anthropological research project to be conducted in the People's Republic, in *China Review International*.

Leonard S. Goldberg, Associate Professor of English, has just published "'This gloom...which can avail thee nothing': *Cain* and Skepticism" in *Criticism*, 41. The article seeks to demonstrate that Byron's skepticism, which is one of the most formidable ways he has of engaging the world as he finds it, can itself be as dangerous as any of the belief systems with which it contends.

Sharon Davis Gratto, Associate Professor of Music, had part one of an interview with Dr. James Catterall, Professor at the UCLA Graduate School of Education and Information Studies and Co-Director of UCLA's Imagination Project, published in the Fall 1999 newsletter of the International Network of Performing and Visual Arts Schools. Part two will appear in January.

Steven W. James, Associate Professor of Biology, along with eleven Gettysburg student co-authors, published a paper in the July 1999 issue of *The Journal of Cell Science*. The paper, titled "*nimO*, an *Aspergillus* gene related to budding yeast *Dbf4*, is required for DNA synthesis and mitotic checkpoint control," summarizes six years of collaborative faculty-student research performed at Gettysburg College from 1992-1998. This work describes the role of a gene, called *nimO*, in stimulating the synthesis of DNA and in controlling the order and fidelity of events leading to cell division. *nimO* turns out to be a linchpin for maintaining genetic integrity and for duplicating the genetic material before cell division. This work was supported primarily by a grant that Steve received from the National Science Foundation.

Barbara Schmitter Heisler, Professor of Sociology and Anthropology, published "Immigration and German Cities: Exploring National Policies and Local Outcomes" in *German Politics and Society*. Her recent residency at the American Academy in Berlin is described in the Professional Activities section of the Notebook.

Fred G. Leebron, Assistant Professor of English, will publish "When It's You," an occasionally funny story about the dying process, in the fall issue of *Threepenny Review*. "That Winter," a story Fred read a portion of at Common Hour in spring of 1998, will appear in the millennial issue of *TriQuarterly*. Knopf will publish his new novel, *Six Figures*, in March of 2000. Fred's reviews of contemporary fiction continue to appear in *The Chicago Tribune* and *Ploughshares*.

Terrence P. McGlynn, Instructor in Biology, published a paper in the *Journal of Biogeography* entitled, "The worldwide transfer of ants: geographical distribution and ecological invasions." He also co-authored papers with M. Breed and undergraduate researchers on the foraging biology of stingless bees in a Costa Rican rain forest in the *Journal of Tropical Ecology*, and about ants who steal food from neighboring colonies in Barro Colorado Island, Panama, in *Insectes Sociaux*. The thieving ants from Panama were featured on the NPR program Science Friday's annual "Bug Show."

Carey A. Moore, Amanda Rupert Strong Professor of Religion, reports the publication of his article, "Esther, Book of (and Additions)," in *Dictionary of Biblical Interpretation* from Abington Press in Nashville. While Carey has published several books on Esther, including a commentary on the Hebrew text and one on the Greek text, this is the first time he has surveyed Jewish and Christian (both Catholic and Protestant) treatments of the book from ca. 200 C.E. to the eighteenth century, with special emphasis on the Jewish interpretations.

David Ozag, Instructor in Management, along with co-authors Mike Marquadt and Tamara Thomas from George Washington University and Nick Nissely from Antioch College had an article accepted for an upcoming edition of the *International Journal of Training and Development*. The article is entitled: "The Status of Training and Development in the United States." This was an invited article for a series this journal is producing on the status of organizational training and development around the world. The authors review public and corporate policy and "best practices" of organizations regarding training and development. David completed the public policy, corporate policy, and strategy sections.

Robert A. Pitts, Professor of Management, published a second edition of *Strategic Management: Building and Sustaining Competitive Advantage* along with David Lei of Southern Methodist University. The text "explores how to build, extend, organize and sustain a competitive advantage focusing on five key themes: distinctive competence, quality, globalization, change, and ethics." In the Winter 1999 issue of *Organizational Dynamics*, Bob also published "Designing Organizations for Competitive Advantage: The Power of Unlearning and Learning" along with Lei and John W. Slocum, also of Southern Methodist University.

Jonelle E. Pool, Assistant Professor of Education, and Judith A. Brough, Professor of Education, published "The Power of Reflection: A Journey to Student Teacher Portfolios" in *Assessment in Teacher Education: Issues, Trends, Research, and Best Practice*. The article describes the program of professional reflection and portfolio development required of the student teachers at Gettysburg College. It will be circulated to all Pennsylvania colleges and universities with teacher preparation programs at the Pennsylvania Association of Colleges and Teacher Educators' annual conference in Hershey in October 1999. Professors Pool and Brough will also be presenting the paper at this meeting and at the national conference in Orlando in February.

John E. Ryan, published an article in the July/August issue of *Creative Screenwriting*, a special number dedicated to the memory of Stanley Kubrick. The article, "Getting to Know You: Kubrick's Full Metal Jacket," examines how language was used in the film.

Virginia E. Schein, Professor of Management, had "Poor Women and Work in the Third World: A Research Agenda for Organizational Psychologists" accepted for publication in *Psychology and Developing Societies*. The article poses research questions about micro-enterprise development, improving conditions in the *maquilas* ("sweat shops"), and learning from poor women through story gathering, based on her 1997 trip to Nicaragua.

John A. Smith, Assistant Professor of Health and Exercise Science, published "Aging and Menopause: Targeting Strategies for Therapies" in the August issue of *Clinical Geriatrics* along with colleague Dr. Raymond A. Daynes of the University of Utah. The paper evaluates the benefits and risks of post-menopausal therapies and their effect on the aging process.

Amelia M. Trevelyan, Associate Professor of Visual Arts, was contacted this summer by the Eiteljorg Museum in Indianapolis with a request to write an essay on the work of contemporary Native artist, Jaune Quick-to-See Smith. The essay will appear in the catalogue of a major exhibition featuring Smith's work and that of four other Native artists, which is scheduled to open this fall. The essay is also scheduled for publication in two art journals.

Elizabeth Richardson Viti, Professor of French and Edwin T. Johnson and Cynthia Shearer Johnson Distinguished Teaching Chair in the Humanities, has had an article accepted for publication in *Simone de Beauvoir Studies*. Her article, entitled "Simone de Beauvoir and the Reproduction of Mothering," examines the many ways in which Simone de Beauvoir, who rejected biological motherhood for herself, nonetheless assumed the maternal role in both her private and public life.

PROFESSIONAL PAPERS AND PRESENTATIONS

Gloria Allaire was a panelist for the session "The Academic Job Search," sponsored by CARA, at the International Congress on Medieval Studies in Kalamazoo, Michigan in May.

Bela Bajnok, Associate Professor of Mathematics, gave an invited talk at the Geometric and Algebraic Combinatorics conference in honor of J. J. Seidel on the occasion of his 80th birthday, in Oisterwijk, The Netherlands, in August. The title of the talk was "Spherical Designs and Generalized Sum-Free Sets in Abelian Groups."

Temma F. Berg, Associate Professor of English, presented a paper entitled "Spectral Presences" at the Fourth Biannual International Gothic Association Conference in Nova Scotia this past August. The paper is based on an eighteenth-century epistolary ghost story which has much to tell us about women's negotiation of the real and the imaginary and their use of the letter and the novel as these forms emerged and developed during the eighteenth century. This paper is part of a larger project involving the historical and literary analysis of a sheaf of letters serendipitously found in a library in Central London.

Emelio R. Betances, Associate Professor of Sociology and Latin American Studies, presented two professional papers during the last academic year. The first was presented at the Latin American Studies Association XXI International Congress in Chicago, Illinois in September 1998. This paper, entitled "Authoritarian Political Culture in the Dominican Republic," suggests that contrary to traditional culturalist views—which claim that Latin American authoritarianism can be explained by a Mediterranean ethos based on hierarchy and absolutes—a cultural approach must be broadened to incorporate a sociological perspective that includes an analysis of how the socioeconomic structure, political regime, political parties, the Catholic Church and the military frame the development of political attitudes.

The second paper was presented at the Caribbean Studies Association annual meeting in Panamá in May 1999. This paper is entitled "Church, Modernity, and Politics in the Dominican Republic" and analyzes the evolution of the Catholic Church's relationship with politics in the context of the Second Vatican Council and the last four Latin American Episcopal Conferences. It focuses on the ecclesiastical hierarchy and its relationship with politics. The purpose is to examine the political impact of the Church in Dominican society, not its evangelizing mission. The main thesis is that today the Catholic Church is politically neutral, but only regarding partisan politics. The paper argues that, as in the past, the Church is deeply involved in national politics as it seeks to mediate between different actors. The Church mediates to preserve order and stability and thus the status quo.

Robert F. Bornstein presented two papers recently at the American Psychological Association Annual Convention in Boston in August: "Predictors of Dependency Among Childhood Sexual Abuse Survivors in Therapy" (along with colleagues from Beth Israel Deaconess Hospital/Harvard Medical School and Nova Southeastern University); and, "Interpersonal

Dependency and Health Service Use in a Psychiatric Inpatient Setting” along with Richard M. O’Neill from the SUNY Health Science Center at Syracuse, New York.

Bob also presented two papers at the annual meeting of the Eastern Psychological Association in Providence, Rhode Island in April. These included “Visual imagery, verbal association, and the mere exposure effect” and “Interpersonal dependency and health service use in a psychiatric inpatient setting.” Erica Hill (’94), who is currently enrolled in a two-year internship program at Harvard Medical School/Beth Israel Medical Center in Boston, was first author on the APA “Predictors of Dependency...” paper.

A. Ralph Cavaliere, Charles H. Graff Professor of Biology, co-authored a paper presented at the Eleventh International Bio-deterioration and Bio-degradation Symposium in Arlington, Virginia. The report, presented by Hanna Szczepanowska, a conservator at the Maryland State Archives, was entitled “Fungal deterioration of eighteenth and nineteenth century documents: A case study of the Tilghman family collection, Wye house, Easton, Maryland.” The focus of the study was the isolation and identification of fungi deteriorating archival collections belonging to the Tilghman family. Iron chests containing century old documents were periodically submerged in water during seasonal floods over a period of eighty years before being found and reopened. The documents had undergone massive biological deterioration caused by bacteria and a number of fungi. The fungi produced vibrant pigmentation and reproduction structures rarely seen on paper-based collections.

Frank M. Chiteji, Associate Professor of History and African American Studies, presented a paper entitled “Colonialism and Modern Transportation: History and Impact of Railways and Roads in Tanzania” at the 9th Annual Conference of the World History Association that met at the University of Victoria, Canada. Frank’s paper grants that the first attempts to open up Tanzania to modern forms of transport were influenced by high expectations of profit but argues that most of the modern transportation networks that were built during the colonial period were undertaken for political-strategic reasons and facilitated colonial expansion throughout the country.

Frank also attended The East Coast Regional Summit on Africa held at the Baltimore Convention Center in September under the sponsorship of the African American Institute and Catholic Relief Services. He participated in the panel on Democracy and Human Rights in Africa, which discussed among other things, the plight of women and youth. The panel prepared recommendations on how the United States can best promote the aspirations of African peoples for democracy and human rights.

John A. Commito, Professor of Environmental Studies and Biology and Coordinator of the Environmental Studies Program, was an invited speaker at a conference sponsored by the German Research Federation in honor of the 75th anniversary of the Biologische Anstalt Helgoland marine research station of the Alfred Wegener Institute Foundation for Polar and Marine Research. His presentation with Dutch co-author Norbert Dankers was entitled

“Dynamics of Spatial and Temporal Complexity in European and North American Soft-Bottom Mussel Beds.” Part of the talk was based on research John and former Environmental Studies major Brian Rusignuolo ('98) have been conducting on the application of chaos theory to the analysis of seafloor animal populations.

Nancy K. Cushing-Daniels will give a paper at the Fourth Annual Conference on Women's Literature of Late Medieval and Early Modern Spain and Colonial Latin America, in Tucson, Arizona this fall. The paper is entitled “Assumed Paternity, Absent Maternity: another look at women speaking, living and writing in María de Zayas.” It looks at the works of a woman writer who rejects not only the code of honor as defined by men but also the language used to define it. The paper argues that one of this author's central aims in writing, in fact, is to undo the cultural myths about women that had become so imbedded in Spanish society in the seventeenth century.

Nancy and **Rosario Ramos, Assistant Professor of Spanish**, have also organized a Queer Studies Panel for the conference called “Queer Tears, Mother's Fears: Cross Atlantic Perspectives on Containment and Contamination.” The panel will look at whether women could actively transform, at least within courtly circles, the codes of honor so central to sixteenth and seventeenth century Spanish society.

Chris Fee and Charlie Hannon presented a session entitled “Technology & Pedagogy Workshop and Round-table Discussion: Viking Studies: An Interdisciplinary and Interactive Seminar on the Language, Literature, History and Culture of Medieval Scandinavia” at the Thirty-fifth International Congress on Medieval Studies in May. This is the largest academic medieval conference in the world and is held every year at Western Michigan University in Kalamazoo, Michigan. This workshop began with a demonstration of the finished multimedia product from Fee's fall 1998 senior seminar on Viking Studies and included a discussion of the theories, technology, and pitfalls involved. The session then opened up into a wider discussion of the uses and abuses of technology in the teaching of medieval materials.

Fee and Hannon also participated in a session entitled “Multimedia Technology in the Medieval Classroom” at the Sixth International Medieval Congress in July. This is the largest academic medieval conference in Europe, and is held every year at the University of Leeds, England. This session included participants from Britain and the United States, and a number of different technological approaches to teaching Medieval literature were demonstrated.

Karen Frey, with Charles J. Coate from SUNY-Geneseo, presented “Some Evidence on the Ethical Disposition of Accounting Students: Gender and Context Implications” at the American Accounting Association's Ethics Symposium in San Diego. The study examined the ethical disposition of accounting students, using a behavioral intent approach, in both academic and business contexts. Karen and Charles also presented “Personality, Moral Reasoning and Academic Ethics” at the American Accounting Association's annual meeting in San Diego. The paper investigates the role of personality in academic ethics, finding that personality has a stronger influence on ethical responses than either gender or moral reasoning level.

Fritz Gaenslen presented a paper entitled “Affect and Influence in Japanese Policy-Making” at the Twenty-second Annual Meeting of the International Society of Political Psychology in Amsterdam, The Netherlands, in July.

Sharon Davis Gratto, chaired a panel on “Partnerships Between K-12 Schools and College and University Music Education Departments” and presented two sessions, one on student teacher grading practices in Pennsylvania and one on interdisciplinary curricula at the biannual Mountain Lake Colloquium for Teachers of General Music Methods sponsored by Middle Tennessee State University, the Indiana University (Bloomington) School of Music, and the Society for Music Teacher Education of MENC: The National Association for Music Education. Dr. Gratto also presented a workshop at Ephrata Middle School in August for general music teachers sponsored by District 7 of the Pennsylvania Music Educators Association. The topic was “Developing a New Set of Ears for Listening to World Music.”

Caroline A. Hartzell, Assistant Professor of Political Science, delivered a paper at the Ninety-fifth Annual Meeting of American Political Science Association in Atlanta, Georgia in September along with colleagues Shaheen Mozaffar from the United States Agency for International Development and Donald Rothchild of the University of California at Davis. Entitled “Negotiated Civil War Settlements and Post-conflict Governance: The Role and Consequences of Institutional Design,” the paper explores “the impact of both contextual and institutional variables on the stability of negotiated settlements.”

Koren Holland, Associate Professor of Chemistry, John Commito, and Gettysburg College students Chris Wahlers ('99), Amy Dickerson ('98), Taryn Losch ('98) and John Badger ('97) recently presented the results of their multi-year research project, “Genetic Structure of Seafloor Bivalve Populations Across Spatial Scales Using Mitochondrial DNA Sequencing,” at the San Francisco meeting of the American Society for Biochemistry and Molecular Biology. The interdisciplinary research is based on bivalves sampled from populations along the East Coast and analyzed with molecular biology techniques on campus and at the National Institute of Standards and Technology. The presentation in San Francisco summarized three years of collaborative laboratory and field work, which shows that genetic differences in the common marine bivalve *Gemma gemma* are specific to the geographic location of each population. This level of differentiation means, for example, that changes in the genetic structure at a site can be used to detect environmental stresses such as water pollution and oil spill effects.

Keith A. Koster, Assistant Professor of Music, presented a paper entitled “Are We Listening to the Music?” at the Mountain Lake Symposium in Virginia in May. The Mountain Lake Symposia are biennial conferences that serve as “think-tanks” for college and university music faculty from the United States and abroad.

Fred G. Leebron and Kathryn Rhett, Assistant Professor of English, will be co-chairing a panel at December's Modern Languages Association Convention in Chicago. The panel is "Crossover Hits: The Coincidence of Scholarly and Creative Writing." Fred will also be doing a presentation on "Fact and Fiction: How Research Affects the Construction of a Novel."

L. Carl Leinbach, Professor of Computer Science, gave two presentations in Europe recently. At the Fourth International Conference on Technology in Mathematics Teaching in Plymouth, England, he spoke on "Doing advanced math with the TI-92 plus and the TI-89." At the Summer Academy: Recent Research on DERIVE/TI-92-Supported Mathematics Education in Gössing, Lower Austria, Carl presented on "Using Computer Algebra to Extract Meaning From Parameters." This presentation explored "how the use of Computer Algebra and visualization can help to make the role played by parameters more apparent." A good grasp of the concept of parameters is critical to the understanding of a mathematical object, e.g. an equation or a model.

Laurence A. Marschall gave two professional presentations on Project CLEA recently, an invited talk at Astronomy Education for the Next Millennium, a conference sponsored by the Astronomical Society of Australia at the University of Western Sydney in July; and a keynote speech at the Fourth International Conference on Technology in Mathematics Teaching, held at the University of Plymouth in England in August. Coincidentally, Carl Leinbach was also there—giving his workshop on "Doing Advanced Math with the TI-92 plus and the TI-89."

Terry McGlynn presented a seminar at the University of Pittsburgh in September on the behavior and ecology of non-native ants. Entitled "Using Bio-geography and Body Size to Understand Exotic Ants," Terry's talk discussed the worldwide spread of non-native ant species and the fact that they tend to be smaller in size than other ants.

Michael L. Ritterson, Associate Professor of German, in late July of this year presented a paper at the Tenth International Congress on the Enlightenment in Dublin, Ireland. Entitled "Sisters under the Liberty Tree: Brigitte Struzyk's Portrait of Caroline Schlegel-Schelling," the paper examines a highly original fictional biography by a modern author. Struzyk belongs to the "middle generation" of formerly East German writers. Her subject, Caroline Schlegel-Schelling, was deeply concerned with the political, social, and intellectual issues of her time, especially those arising out of the French Revolution and German Romanticism, and was thus a source of intense interest to Struzyk, whose characterization offers a fresh understanding of the historical person.

Susan Russell, Assistant Professor of Theater Arts, attended the annual Association for Theatre in Higher Education conference in Toronto in August and appeared on a panel for dramaturgs and scholars involved in new play development.

John E. Ryan presented a paper at the 1999 Conference on College Composition and Communication (CCCC) in Atlanta, Georgia. The paper, "The Documentary Voice," explored the stylistic history of documentary films and then applied these techniques as possible learning

tools for a composition class. Jack also participated in the Interactive Poster Session during the Fourth National Writing Across the Curriculum Conference at Cornell University. Entitled "Parlor Talk: Another Voice," the presentation used Kenneth Burke's metaphor of the parlor as a place where one listens, thinks, and then adds to the discussion to explore how first-year students might use the interview as a part of a larger research project designed to investigate prospective majors.

Virginia E. Schein, Professor of Management, gave a presentation entitled "Including the Poor: A Double Gain for I/O Psychology" at the 1999 Society for Industrial and Organizational Psychology Annual Conference in Atlanta as part of a symposium on Helping I/O Psychologists Help Others. At the same conference, Virginia also chaired a panel discussion on "International Global Perspectives on Issues in I/O Psychology" in her capacity as President-elect of the Division of Work and Organizational Psychology of the International Association of Applied Psychology. In addition, she was a workshop speaker at the 1999 Academy of Management Annual Meeting in Chicago. She spoke at the career session of the Gender and Diversity Division's Doctoral Consortium on opportunities within a management department in a liberal arts setting.

Timothy J. Shannon, Assistant Professor of History, presented "The Anglo-American Act of Union of 1754: A New Perspective on the Albany Plan" at the 1999 OIEAHC Conference in Austin, Texas in June. He was part of a panel on "Visions of Empire in Eighteenth-Century New York." At the Cultural History and International Relations Conference in Paris, also in June, Timothy presented "The Diplomatic functions of European-Indian Trade Artifacts in the Eighteenth Century."

Kristin J. Stuempfle, Assistant Professor of Health and Exercise Science, presented a paper at the American College of Sports Medicine's Annual Meeting in Seattle, Washington in June. The paper was entitled "Dietary Intakes of Participants in the 1994-1998 Iditasport Human Powered Ultramarathon" and focused on the nutrition of individuals who participate in ultra-endurance marathons in the extreme cold.

Amie Godman Tannenbaum, Associate Professor of French, and Donald G. Tannenbaum, Associate Professor of Political Science, jointly delivered a paper entitled "Bayle and Machiavelli: Dictionary, Texts, and Interpretation" at the Tenth International Congress on the Enlightenment at University College, Dublin in July. Amie also chaired—and Don organized—the panel on which the paper was given: "Pierre Bayle: Time, Memory and Rhetoric in Enlightenment Thought." Participating on the panel were scholars from the United Kingdom, Italy, and the United States. Amie and Don's own paper takes its point of departure from a major article on Machiavelli in Bayle's *Historical and Critical Dictionary*, investigates what Bayle had to say about Machiavelli, and searches for affinities between the two authors.

Amelia M. Trevelyan participated in two panels, entitled "Gender Relations and Identity Among the Maya: Ancient and Contemporary, I & II," at a conference organized by the

Comparative Interdisciplinary Studies Section of the International Studies Association. The conference was held in Paris in August. Amy was Chair of one panel and presented a paper and served as discussant for the second. Art History major, Heather Forbes (who graduated in May), assisted in the research and writing of the paper and was a co-presenter at the conference. Amy and Heather discussed the results of their research last summer at Uxmal in the Yucatan. The title of their paper is "Gendered Art and Its Political Implications Among the Maya."

PROFESSIONAL DISTINCTIONS

Rebecca A. Bergren, Director of Off Campus Studies, was named to the National Advisory Board for the Center for Education Abroad at Beaver College. She joins a select group of faculty and international programs directors who are responsible for evaluating and approving study abroad programs for Beaver College.

Helenmarie Hofman, Associate Professor of Education, after having served two three-year elected terms on the Board of Directors of the Astronaut Memorial Foundation at the Kennedy Space Center in Florida, has been given the honor of remaining on the Board as an ex-officio member. She has been serving as the Chairperson of the Board's Education Committee with astronauts Fred Haise, Robert Crippen and Edward Gibson and will remain on that committee, which oversees the AMF Center for Space Education, in her new role. Helenmarie also recently received an award from the Astronaut Memorial Foundation for her dedication and commitment to AMF's impact on the nation's educational system in the area of technology. In addition, Helenmarie was given a special recognition award in satellite education by Madeleine Wing Adler, President of West Chester University, at the Twelfth Annual Satellite Educators' Conference for her strong leadership over the past decade in this exciting new field.

CREATIVE ACTIVITIES, ACCOMPLISHMENTS, AND PERFORMANCES

Lynn Hanley, Adjunct Instructor in Theater Arts, had two videos, *Penny Sisto Fiber Artist*, and *A Day in the Life of a War Town*, chosen for showing at the New York International Independent Film and Video Festival. The festival opened on September 9 in Madison Square Garden and is the second largest venue for the presentation of independent film and video in the United States.

John "Buzz" Jones, Associate Professor of Music, conducted a concert tour of Wales this past July with the Cymru Chamber Orchestra of Pennsylvania. The "Land of Song Tour" featured his original music based on Welsh songs and hymns as well as arrangements of nineteenth-century American folk tunes by Stephen Foster. The ensemble performed in Harrisburg, Carlisle, and Gettysburg prior to departing from the United States. Concert sites in Wales included the Welsh National Museum in Cardiff, Pontardarwe, Cardigan, Harlech, and Conway. Faculty members participating in the excursion were Sharon Davis Gratto and Gail Jones. A compact disk titled

Music of America and Wales will be released in late October and available in the College Bookstore.

Buzz was also commissioned to compose an original work for wind band, to celebrate the rededication of a West Shore School District high school. *Cedar Cliff Celebration Overture* will be premiered on November 14 in Camp Hill by the Cedar Cliff High School Wind Ensemble. Buzz recently received his fourth ASCAP Standard Award in composition. He was also guest conductor of the Cumberland County Band Festival in March. The 130 member honors ensemble performed his original band work *Variations on an Ancient Irish Song* as well as music by Holst, Ellington, and Verdi.

Keith Koster, Assistant Professor of Music, completed Level I Orff-Schulwerk Certification at George Mason University in July. A highlight of the training program was daily study with Danaï Gagne, a protege of the composer Carl Orff. In recent months Keith has also established a chamber music ensemble based at the college. The group, which is known as the Gettysburg Wind Quintet, gave its debut performance at a department of music recital in September.

Susan Russell played a starring role in the inaugural production of the Gettysburg Civil War Theatre this summer from July 3–September 25. The theatre is dedicated to telling stories of the Civil War. The play, *Dinna Forget: The Last Promise*, concerns the love affair of General John Fulton Reynolds and his fiancée Catherine Mary Hewitt, played by Susan Russell. Reynolds was killed on the first day of the battle of Gettysburg.

Mark Warwick, Chairperson and Adjunct Assistant Professor of Visual Arts, has participated in a number of exhibitions during late summer and early autumn. Mark had a solo exhibition at the Emison Art Center at DePauw University in Indiana in August. DePauw purchased a large-scale sculpture from the exhibition, entitled *Reach*, for its permanent collection. In September, Mark installed another large-scale sculpture at Shippensburg University as part of a millenium exhibition. The sculpture, *Upheaval*, will be displayed in front of Memorial Auditorium on Shippensburg's campus through May 2000. Some of Mark's smaller works were seen at three major international art expositions in New York, Chicago and San Francisco. Mark was represented by Belloc-Lowndes Fine Art from Chicago, Illinois at these expos. Mark's work also continues to travel around England as part of the *Strands* exhibition. Over the summer this exhibition was seen at the University of Wolverhampton, and in early autumn it traveled to the Norwich School of Art.

Robert B. Winans, Professor of English and Interdepartmental Studies, attended the first annual Joel Sweeney Banjo Jam in Appomattox, Virginia in July. This festival was established to honor the hometown man who was the first minstrel banjo player (in the 1830s), and therefore focussed on minstrel banjo. In addition to performing several times during the day-long festival, Bob entered and won first prize in the Minstrel Banjo Contest, a custom-made reproduction of a minstrel period banjo valued at \$700-\$800 dollars.

John Winship, Adjunct Instructor in Visual Arts, had work reviewed in the May issue of *Art In America*. The article focused on John's collection of paintings at the Katharina Rich Perlow Gallery in New York. The reviewer, Gerrit Henry, found that "deconstructed nostalgia informs every Winship work, yet the viewer never tires of the trick."

PROFESSIONAL ACTIVITIES

Charlotte E. S. Armster, Associate Professor of German, was selected to participate in the 1999 Seminar for Professors of College-Level Holocaust Courses at the United States Holocaust Memorial Museum in Washington, D.C. from June 1-19.

Michael Birkner is Project Humanist for the New Hampshire Historical Society's exhibition and programming on the History and Mythology of the New Hampshire Primary. This entails working with staff members there to create an exhibition for the Society to run this winter and participating in some public programming. Michael was also interviewed on C-Span for the program on James Buchanan in the network's American Presidents Series. The interview was broadcast June 21 and subsequently repeated several times on C-Span 2.

Bret Crawford has been continuing work on the study of parity nonconservation in the compound nucleus. This involves two different experiments, one performed at the Los Alamos National Laboratory using low energy (few eV) neutron beams and one using medium energy (few MeV) proton beams at the Triangle University Nuclear Laboratory at Duke University. **Sharon Stephenson** is also involved in the neutron experiment, and Bret and Sharon spent the summer in Durham, North Carolina working at the Triangle lab. As a result, several papers have been submitted to *Physical Review C* and *Nuclear Instruments and Methods*.

Brett and Sharon also took two Gettysburg undergraduates (who were partially supported by a Gettysburg Research and Development Grant) to Duke. These students helped in refurbishing a small proton accelerator that has recently been moved onto the Gettysburg campus. In June Sharon also spent a week at the University of Sao Paulo in Brazil as part of an NSF-funded project aimed at building collaboration in nuclear physics between US and Brazilian physicists, and in July she evaluated NSF grants for physics education research in Washington, DC.

Nancy Cushing-Daniels was chosen to be among the faculty at the Spanish School of Middlebury College, in the MA program. The program ran from July 1-August 13.

Megan Deeney, Instructor in Mathematics, defended her doctoral dissertation in the Mathematical Sciences Department of The Johns Hopkins University in August. Her work is entitled "Optimal Location of Mesometric Facilities" and deals with an area of applied mathematics that has to do with finding the best place to put a certain kind of new facility (such as a fire station) in relation to a set of existing facilities (such as houses).

David E. Flesner, Associate Professor of Mathematics, spent the spring semester of 1999 in Budapest developing a collection of tools using the Cabri dynamic geometry software package to do constructions within Felix Klein's model of hyperbolic geometry. He also constructed several examples of regular and semi-regular tilings to illustrate interesting symmetry patterns of the hyperbolic plane that can be viewed and moved within the Klein model. David presented his work on "The Klein Model in Dynamic Format" to the Budapest Symmetry Circle and to the faculty of the School of Architectural Representation at the Budapest Technical University.

Liliane Floge, former Associate Provost; Sandra K Gill, Associate Professor of Sociology and Anthropology; Jan Powers, Associate Professor of Women's Studies and Interdepartmental Studies; and Isabel Valiela, Assistant Professor of Spanish, participated in the Haiti Project this summer from July 23 to August 1, traveling to Haiti and presenting workshops on a variety of issues in association with ENFOFANM, a women's organization in Port-au-Prince. Isabel coordinated the overall project and led the workshop on "Women and Health." Jan, Liliane, and Sandy also led their own workshops ("Establishing Common Ground," "Women, Culture, and Society," "Women and the Economy," and "Women and Power") and participated in a lively exchange with women from various organizations working to improve the conditions of women in Haiti. The project was funded by a Faculty Development Grant as well as by contributions from Women's Studies, Interdepartmental Studies, and Latin American Studies.

Peter P. Fong helped form a coalition of local environmental groups last spring (e.g. Trout Unlimited) and government agencies (e.g. Adams County Conservation District) that were awarded grants totaling \$8000 from the League of Women Voters and the Pennsylvania State Department of Conservation and Natural Resources to study the Conewago Creek watershed in Adams County. Most of the money will pay Gettysburg College students to collect water and sediment samples in the creek in order to assess the health of the creek and watershed and to identify areas of impairment.

J. Matthew Gallman, Henry R. Luce Professor of Civil War Era Studies and Professor of History, delivered "Anna Dickinson Comes to Connecticut: Politics and Gender in the 1863 Election" at the spring gathering of the Fairfield and Westchester County Alumni Club of Gettysburg College, in Wilton, Connecticut last May.

Barbara Schmitter Heisler has returned from a semester's residence at the American Academy in Berlin. While a fellow at the Academy, Barbara engaged in a number of activities. She had an office at and was a consultant to the Berlin Senate for the Interior, which is the Interior Ministry of the State of Berlin. She did research on local government initiatives on immigration and immigrant integration. She was a guest professor at Humboldt University and gave several lectures that were covered in the German press. Two of the most important were "Between Assimilation and Multiculturalism: Confronting Immigrant Incorporation in Germany and the United States," which was delivered at the American Academy in Berlin on April 20. She also delivered a lecture at the Konrad Adenauer Foundation in Berlin entitled "What can Germany

learn from the American Experience: Lessons of Immigration and Citizenship?" In addition, she helped organize a conference entitled "Beyond Citizenship" that took place at the American Academy in June. Presenters at the conference included politicians, policy makers and scholars, including Henry Cisneros, former Secretary of Housing and Urban Development, now President of Univision Communications, Inc.; Otto Schily, Federal Minister of the Interior of Germany; and Marieluise Beck, German Federal Commissioner for the Affairs of Foreigners. Barbara moderated one of the panels at this conference and also chaired a panel on a conference on diasporas held at Humboldt University in May.

Julia A. Hendon, Assistant Professor of Sociology and Anthropology, spent ten days in Honduras in mid-July assessing the possible effects of Hurricane Mitch on future archaeological research at *Cerro Palenque*, a site where she has worked in the past, and attending a conference sponsored by the *Instituto Hondureño de Antropología e Historia*. She was relieved to discover that the site is intact and no more difficult to get to than it was prior to Mitch, and that the local infrastructure has been rebuilt sufficiently to make a field season in summer 2000 viable. At the conference, she presented a paper on the research at *Cerro Palenque* in 1998 entitled "*Investigaciones Recientes en Cerro Palenque, Cortés, Honduras.*"

Julie also attended the annual meeting of the Comparative Interdisciplinary Studies Section of the International Studies Association, which was held in Paris in August. There she participated in a panel on "Mayan Gender Relations and Identity: Ancient and Contemporary," organized by Amy Trevelyan of Gettysburg and Lowell Gustafson of Villanova University. Her paper was entitled "Household and State in Prehispanic Maya Society: Gender, Identity, and Practice."

Laurence A. Marschall was a visiting astronomer at Central Washington University in Ellensburg, Washington in May, sponsored by the Harlow Shapley Lecture program of the American Astronomical Association. He gave talks on supernovas and on the discovery of new extra-solar planets.

Michael Oliver, Visiting Associate Professor of Economics, spent the summer completing a research monograph for the Institute of Economic Affairs entitled "Monetarism under Thatcher—Unfinished Business" (co-authored with Professor Gordon Pepper, from City University Business School). The findings of this monograph will be presented at conferences in New York and Buckingham (UK) in the spring.

Ralph A. Sorenson, Professor of Biology, in his capacity as Coordinator of Advising for Medicine and the Allied Health Professions, served as a panelist at the Philadelphia Local Area Network meeting of the Northeast Association of Advisors in the Health Professions at Alvernia College in Reading, Pennsylvania in August. The conference studied the impact of technology on student advising. Ralph presented Gettysburg College's premed web site and discussed how others could make and use effective web sites.

Michael Ritterson was one of ten participants in a weeklong seminar for North American literary translators held in June at the European Translators' Collegium in Straelen, Germany. Seminar members worked together on specific problems in the translation of German literary texts into English. They also met with German colleagues currently in residence at the ETC, heard a series of presentations on writing, publishing, and performing in Germany, and had the chance to meet with several young German authors. Ritterson recently completed the translation of a book by the nineteenth century German novelist Wilhelm Raabe.



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