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The Faculty Notebook, May 2002

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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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PUBLICATIONS

Bela Bajnok, Associate Professor of Mathematics, published an article in the journal *Computing*, Vol. 68 (2002): pp. 97-109 entitled "A Constructive Finite Field Method for Scattering Points on the Surface of d-Dimensional Spheres." The paper is an adventure into computational science, and is a collaboration with Gary Mullen, a faculty member at Penn State.


L. Carl Leinbach, Professor of Computer Science, together with David C. Pountney and Terence A. Etchells of the School of Computational and Mathematical Sciences at Liverpool’s John Moores University, recently published three works on technology and mathematics education. The “Appropriate Use of a CAS in the Teaching and Learning of Mathematics” discusses the philosophy of using a Computer Algebra System in the mathematics classroom. The article appears in the International Journal of Mathematical Education in Science and Technology, Vol. 33:1 (2002), as does a second article entitled, "The Issue of Appropriate Assessment in the Presence of a CAS." This article discusses how to write mathematics exams so that students can use a Computer Algebra System and still demonstrate their knowledge of mathematics. Leinbach also published "The Use of Computer Algebra Systems" in Effective Learning & Teaching in Mathematics and its Applications, (Kogan Page Limited, London, UK), edited by Peter Kahn and Josef Kyle. The piece discusses the role of technology, in particular Computer Algebra Systems, in developing higher order mathematical skills.

Jacquelynne B. Milingo, Assistant Professor of Physics & Astronomy, recently published two articles in the Astrophysical Physical Supplement, Vol. 138 (2002). The articles were entitled, “Sulfur, Chlorine, and Argon in Planetary Nebulae. IIA. Observations of a Southern Sample,” and “Sulfur, Chlorine, and Argon Abundances in Planetary Nebulae.” The research addresses chemical abundance patterns in the Milky Way galaxy via planetary nebulae (the shed atmospheres of dying stars like the Sun). This work fits into the larger context of galactic chemical ecology, or how and where nuclear species are formed, recycled and distributed in galaxies.

C. Kerr Thompson, Professor of Spanish, published “Remaking Buenos Aires: Argentine Film from Tango to Kilometro 111” in Post Script (Fall 2001).

PROFESSIONAL PAPERS AND PRESENTATIONS

Martha E. Arterberry, Associate Professor of Psychology, delivered a paper, "Variability and Its Sources in Infant Categorization" at the biennial meeting of the International Society for Infant Studies, Toronto, Canada (April 20-21, 2002). Marc H. Bornstein, of the National Institute of Child Health and Human Development, was coauthor. This paper was part of a symposium organized by Arterberry entitled "Revealing Variability in Infant Development: Perceptual-motor, Cognitive, Linguistic, and Physiological Perspectives."

Emelio R. Betances, Associate Professor of Sociology and Latin American Studies, presented, “A Church in Transition: Searching for a new relationship with state and society in the Dominican Republic, 1961-1978” at the Henry Institute Symposium on Religion and Politics, held at Calvin College (May 3-4, 2002) in Grand Rapids, Michigan. This paper
examines the Catholic Church's search for a new relationship with state and society in the post-Trujillo Dominican Republic.

Robert E. Bohrer II, Assistant Professor of Political Science, delivered a paper, "Change and Stability in the Devolved Party Systems of the United Kingdom" at the Conference on Parties and Elections in New Democracies, University of North Texas, Denton, TX (April 12-13, 2002). Glen S. Krutz of Arizona State University was the co-author of the paper. Bohrer also delivered a paper, "The Representation of Women in Democratic Government: Consensus versus Majoritarian Systems" at the annual meeting of the Midwest Political Science Association, Chicago (April 25-28, 2002). Co-authors of this paper were Christine A. Champey '02 and Glen S. Krutz, Arizona State University.

Dan W. Butin, Assistant Professor of Education, delivered a paper, “What Do We Privilege in Service-Learning: Multiple Conceptions of Service-Learning In Teacher Education” at the Conference for Service-Learning Practitioners at Franklin & Marshall College, (May 15-17, 2002). The presentation analyzed differing conceptual frameworks for service-learning and some implications of these differing perspectives.

Paul Carrick, Adjunct Professor of Philosophy, recently presented a public lecture followed by a book-signing at the Author’s Circle in Harrisburg, Pennsylvania. His talk, entitled "Bio-Terrorism and the Hippocratic Oath," explored the limits of emergency medicine and national security in preserving the Hippocratic ethic of beneficence during times of warfare. Carrick is the author of Medical Ethics in the Ancient World, published last May by Georgetown University Press.

John A. Commito, Chair of Environmental Studies and Professor of Environmental Studies and Biology, presented a paper on March 24 at the annual Benthic Ecology Meetings in Orlando, Florida, organized by Florida State University. The title was "Ecosystem engineers alter benthic processes: power-law transport of sediment, larvae, and postlarvae in a spatially complex soft-bottom mussel bed." The paper was co-authored by former Gettysburg students Emily Celano, Holly Celico, and Craig Johnson, who conducted the research with John in Maine. The research dealt with the mathematical form of the transport dynamics of sediment and animals carried across the seafloor by complex water currents. John also convened the conference session on larval ecology.

Véronique A. Delesalle, Associate Professor of Biology, gave a seminar entitled "Directed selection on Gender in the Selfing Annual, Spergularia marina: A Battle Between the Sexes?" at the Biology Department of Georgetown University on January 25th, 2002.

Daniel J. Drury and Kristin J. Stuempfle, both Assistant Professors of Health and Exercise Sciences, gave a presentation entitled "Innovative Ways to Incorporate Exercise Science Research into an Undergraduate Curriculum at a Liberal Arts Institution" at the
National Conference on Undergraduate Research (NCUR) at the University of Wisconsin-Whitewater in April. Six HES students (Kathryn Havens, Courtney Hoffman, Amy Keeley, Maureen Minahan, Kristin Petrovia, and Kelsey Williams) also attended the conference and presented their senior research projects. Topics included, “The Comparison of the Carotid and Radial Artery Palpation Techniques upon the Accuracy of Heart Rate Assessment as Determined by the Electrocardiogram in College Age Individuals” and “The Attenuation of the Diver’s Reflex with Age.”

Steven J. Gimbel, Assistant Professor of Philosophy, gave a lecture in the Frederick V. Pohle Memorial Lecture Series in the History of Mathematics at Adelphi University on April 3. His talk was entitled "Poincare, the Language of Mathematics, and the Intuitionist/Formalist Debate: Or, If You Want to Hang Out with a Klein-Lee Group, Move into a Betti Neighborhood."

Sharon Davis Gratto, Associate Professor of Music, presented a workshop entitled "Multicultural Children's Literature in the General Music Classroom: A Tool for Promoting Music Excellence and Achievement" at the annual conference of the Pennsylvania Music Educators Association in Philadelphia in April. Later that month she repeated the workshop and also conducted a multicultural choral music reading session at a professional development day for music teachers in PMEA District 10 in the Reading area.

Jennifer Hansen, Assistant Professor of Philosophy, presented a paper entitled, "Prozac or Prosaic Diaries: Memoirs that Matter," at the Eastern Division of the American Philosophical Association for the Association for the Advancement of Psychiatry and Philosophy in Atlanta (December 29, 2001).

Barbara Schmitter Heisler, Professor of Sociology, participated in the 43rd Annual Meeting of the International Studies Association in New Orleans, Louisiana, (March 24-27). She was chair for a panel "Globalization and Labor Migration" and a discussant for a panel "Comparative Issues in Immigration."

Julia A. Hendon, Assistant Professor of Anthropology, made a variety of presentations at the annual meeting of the Society for American Archaeology in New Orleans (April 2001). She delivered a paper “Bodies Moving in Space: Ancient Mesoamerican Human Sculpture and Embodiment” with coauthors Rosemary Joyce and Holly Bachand of the University of California at Berkeley. She and coauthor Rosemary Joyce delivered a paper entitled “A Flexible Corporation: Classic Period House Societies in Eastern Mesoamerica.” She also served as discussant for the session, “Reconsidering the Mesoamerican Early Postclassic.” Hendon also delivered a talk “Social Identity in Southeastern Mesoamerica: Constructed Landscapes and Embodied Memory” in a colloquium series sponsored by the University of Pennsylvania (April 1, 2002).
Ann M. Herd, Visiting Associate Professor of Management, and David Ozag, Assistant Professor of Management, presented a paper, “Experiential Exercise-Experiencing Six Thinking Hats: A Practical System for Improving Managerial Decision Making” at the annual meeting of the Eastern Academy of Management, New Haven, CT. (May 1-4).

John (Buzz) Jones, Associate Professor of Music, presented two workshops at the Pennsylvania State Music Educators Conference in Philadelphia (April 18-20). “Quality Control in Jazz Education” addressed practical issues such as balanced programming, rehearsal concepts, and style interpretation with a live jazz quartet. Music and Poetry From “The Land of Song” was a session devoted to the colorful history of Welsh folk music and poetry of the medieval bards. Excerpts from Buzz’s composition "Wales: Land of My Fathers" was performed by faculty members Sharon Gratto and Michael Matsinko. Other artists included baritone Wayne Hill, harpist Michelle Fella Przybylowski, and Celtic storyteller Beth Philips Brown.

Brooks A. Kaiser, Assistant Professor of Economics, was an invited participant at the Institute for Mathematical Application’s (University of Minnesota) Special Mini-Symposium “Evolutionary Consequences of Invasions by Exotic Species” in Minneapolis (April 12-13, 2002). She was also a participant at the 2002 Decision-making and Valuation for Environmental Policy Workshop, sponsored by the Environmental Protection Agency, Washington, DC (March 21-22, 2002).

Daniel D. McCall, Assistant Professor of Psychology, presented “Memory constraints on the generation of problem-solving strategies in 24-month-olds at the meetings of the International Society on Infant Studies (April 20-21). He was joined in this work by Elizabeth Zack ('02), Rebecca Popkave ('02), and Kendra Lach ('01). This study explored the means by which infants learn to solve complicated problems that require several obstacles to be overcome in a sequence in order to achieve a desired goal.

Jonelle E. Pool, Associate Professor of Education, delivered a paper, "How Valid are the National Board of Professional Teaching Standards Assessments?" at the annual meeting of the American Educational Research Association in New Orleans, (April 1-5, 2002). Chad D. Ellett of CDE Research, Inc. was a co-author.

David W. Redmon, Visiting Assistant Professor of Sociology, delivered a scholarly paper and presented his documentary-in-progress, Mardi Gras: Made in China, at the University of Chicago (April 27, 2002).

Virginia E. Schein, Professor of Management, chaired a symposium on "Cross-Cultural Research on Work and Family" at the 17th Annual Conference of the Society for Industrial
and Organizational Psychology in Toronto (April 12-14). Symposium contributors were from Israel, Malaysia, the Netherlands, Spain, Great Britain, and the US.

Eileen M. Stillwaggon, Assistant Professor of Economics, delivered a lecture entitled "Policy Derailed: AIDS Prevention When It's Too Late" at the School of Development Studies of the University of East Anglia (England) (May 1, 2002).

Amy M. Trevelyan, Associate Professor of Visual Arts, participated in a double session on “The Symbolic Woman: A Cross-Cultural Exploration of Gender Symbolism” at the annual conference of the College Art Association in Philadelphia (February 20-23). Her paper was entitled "Architecture of the Feminine: Uxmal, Yucatan."

Randall K. Wilson, Assistant Professor of Environmental Studies, presented a research paper entitled, “Collaboration in context: Re-thinking the rise of community-based resource management in the American West” at the Annual Meeting of the Association of American Geographers in Los Angeles, California (March 19-24, 2002). Earlier in March, Dr. Wilson was invited to present a second paper entitled, “Community-based collaboration: Approaches to research” at the Community-Based Collaborative Research Consortium National Workshop held in Albuquerque, New Mexico (March 9-12, 2002).

Charles J. Zabrowski, Associate Professor of Classics, was an invited respondent on a panel entitled "Continuities and Discontinuities in Classics Pedagogy“ at the Spring Meeting of the Classical Association of the Atlantic States (CAAS), held in Cherry Hill, NJ (April 26-27). He strongly advocated the teaching of classical Greek, as a truly intellectual exercise of the mind and for its own sake. He also commented on his own experience teaching Greek at Gettysburg.

**PROFESSIONAL DISTINCTIONS AND AWARDS**

Robert F. Bornstein, Professor of Psychology, was recently awarded a 3-year, $300,000 grant from the National Institutes of Mental Health to conduct a series of studies exploring the interpersonal dynamics of dependent personality traits. The grant, entitled “An Interactionist Model of Interpersonal Dependency,” will provide support for more than a dozen student assistants to become involved in this research program during the next several years.

Paul J. Carrick, Adjunct Professor of Philosophy, recently was named winner of the NISOD Teaching Excellence Award by the University of Texas, Austin. He will receive this national award at a public ceremony at the University of Texas on May 27.

Véronique A. Delesalle, Associate Professor of Biology, was awarded an additional supplement to her current National Science Foundation grant. This supplement is
earmarked for supporting undergraduate students under the REU (research experience for undergraduates) program of the NSF.

Daniel G. Drury, Assistant Professor of Health & Exercise Sciences, has been named a Fellow of the American College of Sports Medicine. Members of ACSM are advanced to fellowship status through a juried nomination process in which professionals are selected based upon their research and service to ACSM as well as their lifetime contributions to the sports medicine community.

Cinda Gibbon, Access Services Manager in Musselman Library, has received an award from the Association of College and Research Libraries. The award provides a stipend for graduate studies. Cinda is currently enrolled in the graduate program of Library and Information Studies at the University of Pittsburgh.

Daniel R. Gilbert, Jr., LeVan Professor of Ethics and Management, was inducted on April 19, 2002, into the Circle of Excellence at Freedom High School (in Bethlehem, Pennsylvania), where Dan was a member of the first graduating class. His family's association with Freedom High School spans the entire thirty-five year history of the school.

Darren K. MacFarland, Assistant Professor of Chemistry, received a $50,000 grant from the Petroleum Research Fund of the American Chemical Society for work entitled "Asymmetric Phase-Transfer Catalysis with Novel 6, 6' bis(trialkylammonium)BINOL Derivatives." The work will focus on synthesis and testing of new catalysts.

Michael L. Ritterson, Associate Professor of German, received Honorable Mention as runner-up for the Helen and Kurt Wolff 2002 Translator's Prize. The award is for The Odin Field (Rochester, NY: Camden House, 2001), his translation of Wilhelm Raabe’s Das Odfeld. The jury noted Ritterson's “adept rendering of [Raabe’s] humor” and commended his “tackling a fine work of an author virtually unknown here.” The Wolff Translator’s Prize was established in 1996 to honor outstanding literary translations from German into English published in the United States in the previous year. In conjunction with the award the Goethe Institut will fund a two week residency at the Literarisches Colloquium in Berlin, a haven for writers and translators.

Order of Omega, the Greek Leadership Honorary Society, recently named the winners of their faculty teaching awards. The winners were Jim Agard (Visual Arts), Jean Fletcher (Economics), Eleanor Hogan (Japanese), Dina Lowy (History), Jonelle Poole (Education), Elizabeth Richardson Viti (French), Don Tannenbaum (Political Science), Dan Terlizzi (Environmental Studies), Cindy Wright (Health and Exercise Studies) and Anke Walz (Mathematics).
PROFESSIONAL ACTIVITIES

Michael J. Birkner, Professor of History and Benjamin Franklin Chair of Liberal Arts, has been named to the nominating jury for the 2003 Pulitzer Prize in History, administered by the Pulitzer Prize Board at Columbia University.

Donald Borock, Associate Professor of Political Science, attended the Flashpoints Informal Planning Meeting, held at Columbia University (April 4-5, 2002), and sponsored by the National Center for Atmospheric Research, the National Oceanic and Atmospheric Administration, the U.S. Agency for International Development, and Columbia University. The meeting was devoted to the exploration of the flashpoint model’s usefulness in developing policy to contend with the impacts of climate variability on political, economic and social stability.

Véronique Delesalle, Associate Professor of Biology, served as a proposal reviewer for the Spring 2002 Panel of the Population Biology Program of the National Science Foundation in Washington, DC (April 9-12, 2002).


Jennifer Hansen, Assistant Professor of Philosophy, will continue as an editor of Studies in Practical Philosophy: A Journal of Ethical and Political Philosophy. The journal is a peer-review publication devoted to providing a forum for ethical and political thought, primarily in the area of the Continental tradition. The mission of SPP is to make evident the ethical and political force of Continental thought as it bears on current social problems.

CREATIVE ACTIVITIES, ACCOMPLISHMENTS, AND PERFORMANCES

David T. Hedrick, Coordinator of Collections Librarian, Musselman Library, was curator for “The Words and Pictures from the Vietnam War” exhibited at the Montgomery Center for the Arts, Skillman, NJ (May 3-31). The photographs in the exhibit are the work of Stephen H. Warner, Gettysburg College Class of 1968, from Skillman who was a causality of the Vietnam War. Hedrick also presented a gallery talk at the show’s opening reception.

John (Buzz) Jones, Associate Professor of Music, was commissioned to compose music celebrating the 75th anniversary of the Carlisle High School Band. Penn Street Green was completed in March and premiered on May 5th by the band and clarinet soloist Victor Wertz. Conceived in suite form, it included a fanfare, march, waltz, and jazz section. The final part was based on the hymn tune “Carlisle” from Samuel Holyoke’s Columbian Repository of Sacred Harmony (Exeter, NH, 1803).
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