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The Faculty Notebook, March 1999

Provost's Office
Gettysburg College

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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.
GRANTS AND FELLOWSHIPS

The Gettysburg Review has been awarded a grant of $10,000 from the National Endowment for the Arts. Editor Peter Stitt reports that the money will be used for marketing and for enhanced payment to authors.

Timothy N. Good, Associate Professor of Physics, received a Research Opportunity Award from the National Science Foundation in the amount of $19,980 for salary while working at the University of Maryland, Institute of Plasma Research, and travel to the November, 1998, meeting of the America Physical Society, Division of Plasma Physics which was held in New Orleans. The project related to this grant uses laser induced fluorescence spectroscopy and externally launched plasma waves to investigate wave‐particle interaction.

Eileen Stillwaggon, Assistant Professor of Economics, has received her second Fulbright Senior Scholar Award. The award for 1999-2000 is for research in Ecuador. Eileen plans to study two public health problems that are especially severe in the high Andes. One is toxemia of pregnancy which is the cause of high maternal mortality. The other is iodine deficiency which causes goiter and mental retardation. Both problems are poverty-related and preventable. Eileen's project is to propose strategies for solving these health and development problems.

Kristin Stuempfle, Assistant Professor of Health and Exercise Sciences, was awarded a grant of $20,000 from A.D.A.M. (Animated Dissection of Anatomy for Medicine) Software, Inc. The grant will provide A.D.A.M. computer software of two types to be used in her human anatomy, human physiology, and kinesiology courses. One type allows for the interactive study of human physiology. The other permits students to enhance their study of anatomy by dissecting a virtual cadaver.

Amy Trevelyan, Associate Professor of Visual Arts, received a grant from the ELCA to support research in Guatemala and Mexico last summer. The latter included language study and a joint research project with one of her students, an analysis of the architectural decoration of Uxmal, a post-classic Maya site in Yucatan.

PUBLICATIONS

Michael J. Birkner, Professor of History, published a series of five in-depth feature articles on Sherman Adams, chief of staff and a key advisor to President Dwight D. Eisenhower, in the Concord Monitor, a daily newspaper in Concord, New Hampshire. Michael is currently at work on a book-length study of this well-known figure of the Eisenhower years.


Paul Carrick, Adjunct Professor of Philosophy, has published a two-part article in the Cambridge Quarterly of Healthcare Ethics, Cambridge University Press, Volume 8, Numbers 1, 2, 1999. Entitled "Environmental Ethics and Medical Ethics: Some Implications for End-of-Life Care," the article explores the relationship between the Deep Ecology program of the Norwegian philosopher Arne Naess and the potential to erode humane medical care for the chronically or terminally ill.

Ralph Cavaliere, Professor of Biology, co-authored a new book with Wolfgang Sterrer, Curator of the Bermuda Natural History Museum, entitled, Bermuda's Seashore Plants and Seaweeds. The book, which is the second in a series dealing with the natural history of the Bermuda Islands, describes 165 species of plants which occur near or in the water, illustrated by 156 black and white drawings and 104 color photographs. This is the third work Ralph has published on the marine plants and animals of Bermuda. While the first two are more technical in nature, this book is meant to appeal to a more general audience and includes anecdotes and bits of history about the plants and seaweeds of the islands.

Ralph Cavaliere; Steve James, Associate Professor of Biology; and Jim Birkholz ('98) published a paper in the last (1998) issue of the Journal of the Pennsylvania Academy of Science entitled "Morphological Variation of Mutant Strains of Aspergillus nidulans: An SEM Study." The results of the work, which were presented by Jim Birkholz at the Academy's annual meeting in 1998, indicate that reproductive structures (spores) in the common mold, Aspergillus, are produced only if a particular gene is present and functional. Scanning electron images clearly show that if the gene (nimO) is mutated, spore production in the fungus is inhibited.

M. Deborah Larsen Cowan, Associate Professor of English, had a poem accepted at Columbia: A Journal of Literature and Art from Columbia University in New York. "A Gloss on Cats in Exodus" defends Christopher Smart's famous line about the Lord's comments to Moses concerning cats.

David Crowner, Professor of German, and co-author Klaus Lill of Cologne, Germany, recently completed the second edition of Impulse, an intermediate college German program consisting of the textbook, student workbook, instructor's manual, audio-cassette package, and video program. Crowner and Lill made extensive textbook revisions which, in a domino effect, necessitated significant changes in the ancillaries. The authors replaced two of the book's chapters
entirely and revised and updated the thematic content of others. In the interest of making the
book as pedagogically sound as possible, they also added new reading strategy exercises to each
chapter, and incorporated new writing strategy exercises in the workbook. Impulse, published by
Houghton Mifflin Co. (Boston), is used at colleges and universities throughout the United States.
The second edition will be available for use in the fall semester of this year. The first edition was

Peter Fong, Assistant Professor of Biology, just published a paper entitled, "Rhythms, Lunar
and Monthly" as a chapter in a four volume tome called Encyclopedia of Reproduction. His
paper deals with sexual biological rhythms in aquatic animals, rhythms which are often cyclic in
nature and linked to the presence or absence of moonlight and the change of tides.

Timothy N. Good recently published two articles. "An Effect of Neutral Collisions on the
Excitation Threshold of Electrostatic Ion-Cyclotron Waves" was co-authored with M.E. Koepke
and M.W. Zintl and appeared in Geophysical Research Letters in August. In the article,
laboratory experiments using a sodium plasma are reported that demonstrate a robustness of
electrostatic ion-cyclotron waves in the presence of elevated neutral helium pressure.
Electrostatic ion-cyclotron waves have been invoked to explain the transverse energization and
subsequent adiabatic outflow of ions from the auroral ionosphere into the agnetosphere during
conditions of severe space weather.

"Linear Kinetic Modes in Weakly Collisonal Plasma," co-authored with F. Skiff, S. DeSouza-
In this article, experimental and theoretical evidence is reported for the existence of discrete
modes in the weakly collisional regime of electrostatic ion waves. The decay of time-harmonic
perturbations of the ion velocity distribution function is found to be weaker than expected, and to
have a different functional form from that of classical theory.

Caroline Hartzell, Assistant Professor of Political Science, recently published an article
"Explaining the Stability of Negotiated Settlements to Intrastate Wars" in the February 1999
issue of The Journal of Conflict Resolution. The article, based on a civil war data set that
Caroline created, examines all civil wars between 1945 and 1997 that were ended through
negotiated settlements and seeks to explain why some civil settlements proved stable--i.e. war
does not break out again for a specified period of time--and others do not.

Sherman Hendrix, Professor of Biology, recently co-authored an article with Dr. Omar Amin
for the Journal of the Helminthological Society of Washington. The work is entitled
"Acanthocephala of Cichlids (Pisces) in Lake Malawi, Africa, with a Description of
Acanthogyrus (Acanthosentis) malawiensis sp. n. (Quadrigyridae) from Labeo cylindricus,
Peters, 1852 (Cyprinidae)." The project is a result of Sherm's ongoing research on parasites of
the fishes of Lake Malawi. By studying these parasites, he and his colleagues hope to make
sense of the "explosive evolution" of the fishes they live on and to see if similar changes have
occurred with the parasites themselves.
Veronique Delesalle, Associate Professor of Biology, had the following paper accepted for publication in *Evolution*: “Responses of floral traits to selection on primary sexual investment in *Spergularia marina* (Caryophyllaceae): the battle between the sexes.” This paper demonstrates the existence of genetic tradeoffs between allocation to male and female function within flowers. Plants that allocate more resources to female function through increases in ovule production do this to the detriment of allocation to male function (pollen grain production), and vice-versa. These types of tradeoffs are important in understanding the evolution of plant mating systems and floral diversity. Her co-authors on the paper were S.J. Mazer and P. Neal.


Kristen Nelson, Assistant Professor of Environmental Studies, has a recent publication on crocodile populations and the impact fishing communities have on this endangered species in the Biosphere Reserve, "La Envrucijada" in Chiapas, Mexico. In the article, which appeared in *Vida Silvestre Neotropical* from the Universidad de Herredia in Costa Rica, Kristen and her colleagues discuss their finding that in this region fishing techniques were not the main contributor to crocodile population reduction but rather fisherman density, hunting, and habitat considerations.

Janet Powers, Adjunct Associate Professor of Interdepartmental Studies and Women’s Studies, has published an article concerning Native American novelist Leslie Marmon Silko which appears in a book just published by the University of New Mexico Press, *Leslie Marmon Silko: Critical Essays*, edited by James Thorson and Louise Barnett. The article, entitled “Mapping the Prophetic Landscape in *Almanac of the Dead*,” deals with Silko's lengthy, controversial novel, and compares her use of mystical prophecy with that employed by Dante in the *Commedia*. Not coincidentally, Silko is from Laguna Pueblo, the site of a Service Learning venture for Jan and five students in 1993.

Eileen Stillwaggon published an article entitled "Argentine tiger?" in the *Journal of Commerce* in January. The article evaluates the viability of Argentina's economic reforms in the short and long run.

Elizabeth Richardson Viti, Professor of French, has had an article accepted for publication in *The French Review*. Entitled "He Said, She Said: A Feminist Approach to Teaching the Twentieth-Century Novel in the Twenty-First Century," the study suggests a strategy for giving an overview of the French novel without diminishing the importance of male novelists or eliminating female writers altogether. Using a thematic approach, the technique pairs texts and makes explicit two different gender perspectives so that students understand the feminist notion that gender informs writing as well as reading.

**PROFESSIONAL PAPERS AND PRESENTATIONS**

Deborah Barnes, Associate Professor of English, presented a paper at the first biennial conference of the Toni Morrison Society: *Toni Morrison and the American South*. The paper, entitled “The Politics of Space: Southerness, and Manhood in the Fiction of Toni Morrison,” was part of a session on “The South, Migration, and The Self.”

Deborah was also a discussant at *A Celebration of Sterling A. Brown, American Poet and Cultural Worker* which took place at the Library of Congress in October. Deborah joined a variety of well known dignitaries, scholars and poets in examining the life and poetry of this important African American writer.

Marc Becker, Visiting Assistant Professor of Global Studies, presented "Land Tenure Patterns and the Huasipungo in Cayambe, Ecuador" at the Social Science History Association meeting in Chicago, Illinois, November 19-22, 1998. This paper analyzes land tenure, debt peonage, service tenancy, and labor relations on haciendas in the northern highland region of Cayambe in the South American country of Ecuador during the twentieth century. It explains those economic roots in order to elucidate the nature of rural protest in Cayambe. While there, Marc also chaired the Rural Network panel "Transforming Agriculture and Agriculturalists: Cross-Cultural Perspectives from Latin America and India."

In addition, Marc presented "Citizens, Indians and Women: The Politics of Exclusion in Ecuador" at the Conference on Latin American History meeting in Washington, D.C., January 7-10, 1999. The conference is affiliated with the American Historical Association. Marc’s paper examined the efforts of subaltern classes to open up the political process in Ecuador by disputing exclusionary understandings of citizenship.

Philip Bobko conducted a paper presentation at the Asian Academy of Management meetings in Hong Kong in December, 1998 entitled "The Power of Positive Thinking on Group Performance in a Collective Context." Co-authors were C. Lee and C. Tinsley.

Leslie Cahoon, Associate Professor of Classics, presented several papers recently. “On Pretty Boys in Orpheus's Song in Ovid's *Metamorphoses* and their Connections to Passages in the Poems of Catullus and Virgil” was given at the Classical Association of the Atlantic States in
New York in October. "Haunted Husbands: On Ted Hughes's Birthday Letters and Ovid's Metamorphoses Book 10" was presented at the Pacific Ancient and Modern Language Association annual meeting at Pomona in November. Finally, in December at the Annual Meeting of the American Philological Association in Washington, Leslie presented "Myrrha's Tears: On Performance as a Vehicle for the Interpretation of the Myrrha Story in Ovid's Metamorphoses."

John Commito, Coordinator of the Environmental Studies Program and Professor of Environmental Studies and Biology, presented a research seminar to the Department of Biology at the University of Delaware. He was invited by the Program in Ecology and Evolutionary Biology to speak on "Local-scale dispersal dynamics in patchy seafloor systems: intertidal examples from Maine, Virginia, and New Zealand." John is on the dissertation committee of a Ph.D. candidate in the department.

Chris Fee, Assistant Professor of English, presented a paper titled "Castration, Cowardice, and Commitment: Castration Anxiety and Sexual Potency in Sir Gawain and the Green Knight" at the Pacific Ancient and Modern Language Association Annual Conference in November. The conference was held at Scripps College in Claremont, CA. Chris's paper was part of the Comparative Literature session, which was chaired by Leslie Cahoon. This paper examines the decapitation theme in Sir Gawain, and discusses related traditions in Germanic and Celtic cultures. The paper places this examination in the context of theories of the relationship between issues of decapitation and castration anxiety and suggests that the subtext of fertility sacrifice in this context is particularly illuminating.

Myrtle G. Glascoe, Associate Professor of Education and African American Studies, presented a "Culture Working Paper" at the 17th World Congress on Reading in Ocho Rios, Jamaica in July, 1998. The paper grew out of an "interest in developing a better understanding of the challenges faced by children of non-mainstream cultures who continue to experience great difficulty in their efforts to become properly educated in... American public schools."

Timothy Good, along with his colleagues at the University of Maryland, jointly presented three papers at the American Physical Society, Division of Plasma Physics meeting held in New Orleans, LA, in November of 1998. Titles included "Wave-Particle Interactions in a Weakly Collisional Plasma: Ballistic Modes," "Wave-Particle Interactions in a Weakly Collisional Plasma: Beat Wave Propagation," and "Wave-Particle Interactions in a Weakly Collisional Plasma: Chaotic Ion Heating." All three papers were also published in the Bulletin of the American Physical Society, Volume 43.

Sharon Davis Gratto, Associate Professor of Music, presented a session in October, 1998, in Columbus, Ohio, at the annual conference of the International Network of Performing and Visual Arts Schools entitled "The Making of an Audition Anxiety Video." Dr. Gratto also chaired the research symposium at that same conference on the use of technology in dance instruction.
Charles Hannon, Instructional Technologist, presented "Figuring Legal Discourse in Faulkner" at the MLA Special Session on Art and Architecture in San Francisco in December. The paper discusses changes in Faulkner’s representation of the law, within the context of changes in American legal discourse in the 1920s and 1930s.

Laurence A. Marschall, Professor of Physics, was involved in a variety of presentations at the American Astronomical Society meeting in Austin, Texas in January. Larry chaired a session on Computers in Astronomy Education, and gave an oral presentation on "Six Years of Work on Project CLEA."

Along with Akbar Rizvi (a senior physics major) and thirteen other astronomers (from Harvard, Berkeley, UC Santa Cruz, University of Michigan, Kitt Peak National Observatory, and Wellesley College), Larry was also a co-author on a poster paper entitled "The Type Ia Supernova 1998 bu and the Hubble Constant." This poster paper reported on high-precision multi-wavelength observations of an exploding star that was discovered in May, 1998, and derived one of the most reliable values of the expansion rate of the universe to date. About a fifth of the observations were made at the Gettysburg College observatory, the others at larger research telescopes at other observatories.

At the Austin meeting, the CLEA co-investigators and Larry also presented two papers: "Desktop Parallax: and Proper Motion: A Laboratory Exercise on Astronomy of Asteroids from Project CLEA," and "Tools for Astronomy: A Windows-Based Research Tool for Asteroid Discovery and Measurement." Authors along with Larry were Glenn Snyder, Rhonda Good, Mike Hayden, and Dick Cooper.

Carolyn S. Snively, Associate Professor of Classics, gave a paper during Thanksgiving vacation entitled “Churches and Cemeteries: Religion and Death in Early Byzantine Macedonia” at a symposium on Early Christian Archaeology in Macedonia, sponsored by the Macedonia Academy of Science and Arts in Skopje, Republic of Macedonia. Beginning with the pagan separation of religion and death in the Roman world, the paper presented several models for the gradual integration of churches and tombs in the fourth and sixth centuries.

Eileen Stillwagon presented a paper at the Allied Social Science Association annual meeting in New York in January. Her paper entitled "Effective Health Strategies" identified primary health care programs that have been successful in various locations in the developing world and analyzed the strategies that contributed to their success.

C. Kerr Thompson, Professor of Spanish, gave a paper on "The Virtues of Infidelity: Mugica's Film Adaptation of Borges' 'Hombre de la esquina rosada'" at the La Chispa conference sponsored by Tulane University on February 25.

Amy Trevelyan was invited to present the results of a joint research project with one of her students, an analysis of the architectural decoration of Uxmal, a post-classic Maya site in
Yucatan, and related research at a conference in Vienna in September, the Third Pan European International Conference and Joint Meeting of the Standing Group for International Relations (ECPR) with the International Studies Association (ISA). The title of her paper was "The Visual Arts and Indigenous Cultural Survival in North America." Amy has been asked to organize a panel on a related subject for next year's annual conference.

PROFESSIONAL DISTINCTIONS

Sharon Davis Gratto has been appointed Chair for Multicultural Concerns for the Pennsylvania Music Educators Association and Repertoire and Standards Chair for Ethnic and Multicultural Perspectives for the Eastern Division of the American Choral Directors Association.

Laurence A. Marshall has been appointed by the Board of Trustees to the W. K. T. Sahm Professorship in Physics. In their appointment, the Board noted Larry's long and distinguished record of teaching at Gettysburg; his prolific research and publication record, including the remarkably successful Project CLEA; his involvement with First-Year Seminars; his concern for quality writing in the sciences; his recognition and standing among his peers in astronomy; and his continuing support of undergraduate interests in astronomy.

CREATIVE ACTIVITIES, ACCOMPLISHMENTS, AND PERFORMANCES

Jim Agard, Associate Professor of Visual Arts, recently presented a one-person exhibition titled "Recent Structures" at New York University, Broadway Windows, 80 Washington Square East, in New York. The exhibition consisted of five large steel constructions and was on view from December 4 through January 11, 1999. Jim also exhibited a maquette at the Pier Walk '99 exhibition hosted by the Vedanta Gallery in Chicago. This exhibition provided the Pier Walk selection committee the opportunity to choose work that would be displayed in Pier Walk '99 from scale models. Pier Walk is the largest outdoor sculpture exhibition in the world and is viewed by six million visitors every year. Jim's work was selected for inclusion in Pier Walk 99 and will be exhibited in Chicago throughout the summer of 1999. This work, entitled Restoration, is ten feet tall, eighteen feet long, two feet deep, and is made out of steel.

Kathleen Doherty, Assistant Professor of Psychology, has been selected by McGraw-Hill for the "Psycafe Website of the Month." Each month McGraw-Hill's PsyCafe selects a site-builders website of the month. The goal in doing this is to share with faculty around the world some of the ideas and ingenuity of their colleagues, especially with reference to the development of course web sites. Go to http://www.mhhe.com/socscience/intro/cafe/psycaff.htm and click on "Site Builders" if you would like to investigate this site.

Sharon Davis Gratto, accompanied by Music Department Chair and Associate Professor Michael Matsinko, presented a joint voice recital with Soprano Joan Heller, Head of the Voice
Department at Southern Methodist University, at the University of Pittsburgh in October. In September, Sharon was one of two soloists in Columbus, Ohio, at the National Welsh Conference for performances of Associate Professor John W. Jones' *Cymru: Hen Wlad Fy Nhadau*. The same ensemble presented a repeat performance of the Jones' work in November with the Reston Chamber Orchestra at the Reston Community Center in Virginia.

**Mark Warwick, Adjunct Assistant Professor of Visual Arts**, is participating in a number of exhibitions this spring and summer. Mark's work was on exhibit at a maquette exhibition at the Vedanta Gallery in Chicago from January through February. In March, Mark joins a group of artists in presenting "Strands: Drawings by Six Artists" at the University of Northumbria, Newcastle, England. This exhibition will tour several other venues in England throughout 1999. One of Mark's large-scale steel sculptures will be on exhibition from May through October 1999 at the Pier Walk '99 International Outdoor Sculpture Exhibition at Navy Pier in Chicago. Concurrently, Mark will be represented by Belloc-Lowndes Gallery in Chicago at the Art Chicago 1999 Art Exposition.

**PROFESSIONAL ACTIVITIES**

**Marc Becker** spent the semester break in Ecuador examining the personal papers of Leonardo J. Muñoz. Muñoz was a bookstore owner and one of the original founders of the Ecuadorian Social Party in the 1920s. The papers include information on the development of popular organizing strategies in Ecuador during the course of the twentieth century. This research was for the book on which Marc is working, *Class and Ethnicity in the Canton of Cayambe: The Roots of Ecuador's Modern Indian Movement*.

**Temma Berg, Associate Professor of English**, was interviewed by Jerry Christiansen in December for a program called *The Seminary Explores*. *The Seminary Explores* is a public affairs program currently conducting a series of interviews entitled "That Was the Century That Was." Temma was asked questions about "How Literature Has Changed in This Century." The program aired on February 21.

**Leslie Cahoon** was an invited guest speaker along with three other Ovid scholars for the annual conference of the New York Classical Club. Her lecture, entitled "Nil Prosent Artes," focused on Ovid's Orpheus and the status of artist figures in the *Metamorphoses*.

**John Commito** met in Houston with the Fulbright Program's New Zealand review panel to select the U.S. scholars who will be funded to do research there in 1999-2000. John is currently serving on a three-year appointment to the Australia and New Zealand screening committees.

John was also invited to attend the fall meeting of the Scientific and Technical Advisory Committee (STAC) of the Chesapeake Bay Program, co-sponsored by the Environmental Protection Agency and the Smithsonian Environmental Research Center. STAC is charged with
the responsibility of coordinating state and federal activities aimed at managing the Chesapeake Bay. Other scientists at the meeting included representatives from the United States Geological Survey, Chesapeake Research Consortium, University of Maryland, Virginia Tech, and Penn State.

Timothy N. Good, during his sabbatical leave, served as Guest Professor at the University of Innsbruck, Austria, Institute for Ion Physics, for January and February of 1998. While there, he taught a graduate course on the Optical Diagnosis of the Physics of Plasmas, and collaborated with the plasma physics research team led by Professor Roman Schrittwieser.

Laurence A. Marschall participated in an observing run at the National Undergraduate Research Observatory in October, 1998. During eight days there, Akbar Rizvi and Larry, along with Mike Seeds of Franklin and Marshall and three of his students, discovered two new asteroids in the asteroid belt which have been given designations 1998S87V and 1998T35C by the Minor Planet Center of the International Astronomical Union. Says Larry, “Though it takes almost a decade of follow-up observations to make these discoveries official, discoverers may eventually be able to choose names for the new bodies. This is part of an ongoing project, and we hope to discover more. Maybe someday there’ll be a small rock orbiting the sun with the name ‘Gettysburg’.”