3rd Annual Faculty Research and Professional Activity Day: A Celebration of Scholarship and Creativity

Thursday, November 16, 2006
Wilson Library and environs
10:30 a.m. - 1 p.m.

Sponsored by the Faculty Research Committee, the Dean of Arts and Sciences, the Provost’s Office, and Wilson Library.
College of Arts and Sciences

BIOLOGY:

CHRISTINE BROUSSARD and JOAN ORDONEZ
"The Effects of Selected Environmental Toxicants on the Viability and Development of T cells"

ABSTRACT: Environmental toxicants, such as pesticides, have had severe consequences on the environment and the organisms that live in it. Although the effects of many pesticides on the reproductive system have been thoroughly studied, few scientists have tackled the study of their effects on the immune system. These studies are important because statistics have shown that today children are more prone to develop asthma and allergies compared to 10 years ago. The consensus among immunologists is that this is due in part to environmental influences on their developing immune systems, including during gestation. Previous studies of pesticides on the development of the immune system utilized gross assays of immune function, like cell counts and static immunophenotyping. We have undertaken the development of an accurate, sensitive in vitro risk assessment model for the effects of environmental toxicants on the development of the immune system. Our risk assessment model assays the consequences of prenatal pesticide exposure on the development of T cells. Our methodology uses day 16 or 17 embryos from C57BL/6 pregnant mice. Harvested thymocytes are exposed in vitro to combinations of antibodies that have been shown to induce the differentiation of thymocytes into mature T cells. Different concentrations of pesticide are added to the cells in the presence or absence of antibodies. Flow cytometric analysis is used to determine the phenotype of the resulting T cells. We have selected the pesticide methoxychlor as the first pesticide for analysis based on its established role as an endocrine mimic and known immune-endocrine interactions.

JEFFERY BURKHART
"Herpetofaunal Diversity of El Parque Nacional Cusuco, Honduras"

JEROME GARCIA
"The Development of Parkinson's Disease"

JAY JONES and JENNIFER JONES
"Paleoclimatic Assessment of the Middle to Upper Eocene of Central Wyoming Based on a Fossil Wood Assemblage"

ABSTRACT: A preliminary paleoclimatic assessment, of the Middle to Upper Eocene, of central Wyoming has been made, using a small assemblage of woods from the Wagon Bed Formation. Approaches employed include analysis of closest living relatives, the nature of historically utilized wood characters such as diffuse vs. ring porosity, as well as more recent and comprehensive statistical techniques. The latter use regression derived formulas and multiple characters. The current sample of 10 distinct forms is somewhat limiting. However, these approaches suggest a relatively equable climate. Based on this small sample, calculated climatic values indicate a mean annual temperature of approximately 13 degrees Celsius and a mean annual range in temperature of 12 degrees Celsius. Other values calculated include the coldest month mean temperature (5 degrees Celsius), and the length of the "dry" season (3.6 months). The calculated mean annual precipitation was in excess of 279 cm. More accurate determination of the environmental variable will be dependent upon increasing the sample size, or the number of distinct wood types. Current efforts are directed toward analyzing additional samples in hopes of increasing the sample size.

STACEY DARLING NOVAK
“Hypochlorite-induced Death Reveals the Contribution of Select Embryo Cells to the Development of Spathoglottis plicata Seedlings”

**ABSTRACT:** Embryogenesis in flowering plants typically culminates in a well-developed embryo with a distinct shoot/root axis. In contrast, orchid seed are released from their pods as a ball of undifferentiated parenchymous tissue. Seed from the orchid, *Spathoglottis plicata,* contain embryos with a vague indication of polarity, such that smaller cells designate the shoot apex located at the proximal/chalazal end of the embryo. However, it is unclear whether cells in the distal/micropylar region play a significant role in contributing to seedling establishment. In this study, we selectively killed cells by exposing those at the micropylar region to hypochlorite treatment. The hypochlorite also caused dead embryo cells to autofluoresce bright green, making them easy to track throughout development. When seeds are broken from their placental attachment, the seed coat is damaged to varying degrees, thus embryos exhibited differential exposure to the hypochlorite. However, increased exposure time consistently decreased the number of those reaching seedling establishment and also increased the numbers of affected/bright green embryos. Preliminary data indicates that roughly half of the embryo (5-6 cell layers) can be destroyed and seedlings with shoots and roots will develop. Interestingly, in the hundreds of seedlings we observed, never did we find a case where destruction of more cells yielded a viable seedling. These findings indicate that a critical mass or cell number at the proximal end may be required for seedling development in this orchid species.

**KATHLEEN WEAVER**

“Biogeography and Conservation Genetics in the Land Snail ‘Oreohelix’”

**PABLO WEAVER**

“Ecology and Evolution of Hispaniolan ‘Poecilia’ Species”

**CHEMISTRY:**

**ERNIE BAUGHMAN**

“What I had to learn about Fiber Optics I didn’t want to know”

**ABSTRACT:** The theory of fiber optics is very simple: surround a fiber of higher index of refraction by a cladding of lower index of refraction and the light is guided down the core of the fiber with higher index of refraction. However, if glass is used as the core and clad with a plastic, the spectrum of the plastic appears in the fiber. Why? The light does not turn around at the core cladding interface but slightly into the cladding. Also outside light can couple into the core after penetrating the jacket. This is shown by a 10m coil of fiber connected to a power meter. If the coil is covered by a black cloth, the reading is very low, 9.8 but if the light is allowed the shine on the fiber, the reading is over 400.

**MELVIN MILES**

“Precision and accuracy of cold fusion calorimetry”

**ABSTRACT:** The cold fusion controversy continues to center on the precision and accuracy of the calorimetric systems used to measure excess enthalpy generation. Therefore, experiments were conducted on clean “blank systems” where no excess enthalpy is expected which consisted of platinum (not palladium) cathodes polarized in heavy water containing 0.1 M LiOD. The most accurate results were obtained by using averaging procedures for the experimental data as well as backward integration of the data sets. It is shown that the precision of this cold fusion isoperibolic calorimetry is better than 99.99% while the accuracy is close to this figure, i.e., any excess power is measurable to within ±0.1 mW. The calorimetric error correlates with the error in temperature measurements coupled to averaging procedures. The rate of enthalpy production due to the reduction of electrogenerated oxygen was measurable as 1.1 mW in these experiments. The logical
conclusion from this control study is that excess enthalpy measurements using this cold fusion calorimetric system cannot be scientifically dismissed simply as calorimetric errors.

IRAJ PARCHAMAZAD, DAN HERRIG, BOBBY VU, and ERNIE IKENBERRY
“Development of a Propane Fuel Cell Auxiliary Power Unit” (A joint project with Teledyne Energy Systems, Inc. and funded in part by the Texas Commission on Environmental Quality)

Abstract: The goal of this project is to develop a fuel cell based auxiliary power unit, APU, able to provide stationary power for long haul trucks. During rest periods, when not transporting freight, trucks typically idle the main diesel engine to supply electrical power for what is typically known as “hotel power” for driver comfort and convenience. Operating a large diesel engine at this condition is inefficient and a source of significant air pollution. This project proposes the use of propane as an energy source for providing long haul trucking, hotel power. Propane is utilized with a fuel reformer and a hydrogen fuel cell system to provide an efficient and low emission source of electrical power providing a dramatic reduction in NOx and SOx.

IRAJ PARCHAMAZAD
“Enantio-Selectiv Reaction by Using Nanotechnology” (with Greg Andonian and Marilyn Martinez)

Abstract: This senior project research used zeolite as a nano-reactor to perform selective organic reactions including stereo-selective reactions. Making stereoisomers is one of the most important processes in pharmaceutical design and chemical manufacturing. Greg Andonian’s results show that we can reduce the carbonyl group selectively in the cavity of the zeolite by the hydride ion.

DONG SUN
“Nanostructured Porous Germanium: A New Form of Semiconducting Material”

Abstract: Nanoscale ordered germanium composite materials were produced from solution phase using surfactant as structural directing agents. Non-classic anionic germanium Zintl clusters, discrete or polymeric, co-assemble with cationic surfactant molecules via electrostatic interactions. Depending upon the surfactant to cluster ratios, the periodical nano-structures of composites can be hexagonal, lamellar, or worm-like, as determined by low angle X-ray diffraction (XRD). The anionic germanium framework of the 2-D hexagonally ordered germanium cluster/surfactant composite is condensed via oxidative coupling between the germanium Zintl clusters. EXAFS (Extended X-ray Absorption Fine Structure) study indicates that the germanium clusters were destroyed upon oxidation and tetrahedrally coordinated germanium was produced after ion-exchange with proton exchange resin. IR absorption shows that the surface of this material is mostly hydrogen terminated. Majority of the cationic surfactant molecules inside the pores can be removed. The resulting dark red mesoporous germanium exhibits surface area up to 500 m²/g.

COMMUNICATIONS:

GEORGE KEELER and MIKE LAPONIS
“Beyond the War of the Worlds”

Abstract: George Keeler, professor of journalism, and Mike Laponis, professor of communications, appeared as expert commentators on a nationally televised History Channel show during prime time, Nov. 21, 2005, with repeat national showings once every two months continuing to the present. The History Channel show was broadcast on the day of Steven Spielberg’s major motion picture “War of the Worlds” DVD release. “Beyond the War of the Worlds” features Keeler and Laponis as Orson Welles “War of the Worlds” experts. The two recount the filming of the original 1938 “War of the Worlds” and its affect on the human condition as a change element. The Oct. 30, 1938, live airing of the “War of the...”
Worlds® stirred a public panic that demonstrated the tremendous power the mass media holds to shape opinion. Today, the broadcast would be the envy of modern media marketing. A DVD will be shown.

DON POLLOCK
“Current State of Aboriginal Filmmaking in Australia”

ELIZABETH ZWERLING
“California Education Law: Open to Interpretation (Bending and Breaking), a Journalist’s Investigation”

ENGLISH:

BILL COOK
“Tracking Deception Continued”

ABSTRACT: These articles represent further explorations in the abuse of language and reason fostered by our government in our name. Each of these polemics unveils the deception behind the practice that controls U.S. Bush Neo-Con policy in the mid-east and its complicity with the Zionist controlled government of Israel under Sharon and Olmert. There are 16 pieces published in a variety of Internet international publications including Counterpunch, MWC News in Canada, the Palestine Chronicle, and Atlantic Free Press in the Netherlands. Many of these pieces have been translated into different languages and reproduced in multiple publications around the world.

JEFFREY KAHAN
ABSTRACT: Jeffrey Kahan will be displaying some of his recent publications, including his newest book, The Cult of Kean (Ashgate, 2006), as well excerpts form his ongoing work, including his editions of Much Ado About Nothing and Taming of the Shrew for Shakespeare Source Books (due out in 2007 and 2008), his book on King Lear for Routledge (due in 2008), and his forthcoming edition of The Abbess, for Zitraw Press (due in 2007).

KEN SCAMBRAY
“Creative Responses to the Italian American Experience in California: Baldassare Forestiere’s ‘Underground Gardens’ and Simon Rodia’s ‘Watts Towers’”

HISTORY AND POLITICAL SCIENCE:

RICHARD GELM
How American Politics Works: Philosophy, Pragmatism, Personality, and Profit

ABSTRACT: Crisply and clearly written with numerous historical examples, How American Politics Works describes the complex and sometimes confusing American political system in a vibrant and accessible light. Documented with recent and historical scholarship, issues and ideas are presented clearly in laymen’s terms.

JASON NEIDLEMAN
“The Sublime Science of Simple Souls: Rousseau’s Many Paths to Truth”

ABSTRACT: Rousseau employed a dazzling diversity of writing forms in pursuit of truth: essays, books, treatises, love letters, comedies, tragedies, autobiographies, reveries, poems, accusations, seductions, constitutions, confessions, professions of faith, and so forth. Each medium offered Rousseau particular resources and enabled unique contributions toward the construction of what he called his ‘system’. Using these media, Rousseau identified a series of paths to truth, both formal and substantive, as well as an even longer
list of blind alleys. ‘I write what I think,’ Rousseau said, contrasting himself with the other writers of his era, who, he believed, wrote out of vanity and for the sake of fame. These writers produced calumnies, flatters, and exaltations of vice. They wrote stylistic books, Rousseau claimed, but not good books, because their writing was not animated by what Rousseau called a 'just spirit,' the presence of which distinguished his writings from the rest and accounted for his ability to reveal truths unrecognized by corrupt souls. This project follows Rousseau down the many pathways to truths he pursued in his philosophical and literary writings.

KEN MARCUS

“Exile in Paradise? Arnold Schoenberg and the Los Angeles Emigres”

ABSTRACT: Currently I am combining my interest in understanding the global context of Los Angeles by considering its national and international connections. I am writing a manuscript on composer Arnold Schoenberg and his role in the émigré, musical, and academic communities in Los Angeles from the 1930s to the 1950s. I demonstrate that Schoenberg’s experience as an émigré had a deep impact on both his music and writings. The project is based on archival research in Vienna, Austria, Basel, Switzerland, and Los Angeles, as well as from oral history interviews I conducted with family and students of Schoenberg in the United States and in Austria. It has resulted thus far in an exhibition at the Skirball Museum in Los Angeles, liner notes for a CD by the recording company LiveClassics on the theme of fantasy in German music, and two articles, both of which I am revising as book chapters for the manuscript.

ALFRED CLARK

“Watershed San Gabriel”

ABSTRACT: This is the first comprehensive environmental history of any watershed in the United States. It focuses on land and water use by successive inhabitants of the terrain from which water drains into the San Gabriel River and thence to the ocean: the Tongva, Spanish, Californianos, and U.S. citizens. It engages economic, legal, political, and social issues of people who hunted, farmed, mined, manufactured, lived, played, and worked in the San Gabriel Mountains, the San Gabriel Valley, the Los Angeles Coastal Plain, and along the watershed’s seacoast. It also evaluates the probable impact of such current issues as privatization, desalination, salination, recycling, pollution, transfers, wetlands restoration, and global warming.

LIBRARY:

LINDA GORDON and DAVID KUNG

“IT Deployment Assessment: A Two Dimensional Supply Chain Cycle Management Framework for Strategic Analysis”

ABSTRACT: The intent of this paper is to develop a framework for industries to analyze their Information Technology Deployment efforts base on operational activities along the life-cycle of their supply chains. In particular, industries that are mature and with low profit margin will find this framework pertinent. It is an accepted principle in these industries that efforts to streamline and reduce cost are easier to achieve than to increase equivalence in revenue. The framework encompasses all aspects of operations and provides a complete and comprehensive view of the whole supply chain. The first dimension of the framework includes both product-related and logistics-related activities. These are activities that involve from product design to production to materials movement and warehousing. The second dimension addresses product and supply chain specific types of characteristics, which vary by industry, that will impact the use of new Information Technology such as RFID, WiMax, and CPFR. These characteristics include the bitability, modularity, and information intensity of the product, cost structure in relation to product versus logistics, and vertical collaboration or standardization opportunities. By reviewing the life-cycle activities with these characteristics in mind, an industry can establish an Information Technology platform to guide new IT implementations for the future.
Darryl Swarm
“Anxiety and Situational Stress in Medical Oncology Patients: An Environmental Study of Landscape Views in Treatment Room Settings”

Abstract: Anxiety is an important issue in cancer care and is often strongly associated with cancer diagnosis and the subsequent oncology treatment process. This study examines the potential for landscape views to mitigate stress and anxiety in oncology treatment settings. Patient stress levels were studied in both view and non-view rooms while the patients were undergoing regularly scheduled infusion treatments. Components of the study included the behavioral observations, measurement of physiological response, mood profiling, and qualitative interview analysis for each environmental setting. Results indicate that landscape views have a profound effect on lowering anxiety levels and improving overall patient outlook. This suggests that medical administrators and environmental design professionals should work together to incorporate landscape views into new construction projects and existing facilities in an effort to provide patients with the highest standard of patient care.

Mathematics, Physics, and Computer Science:

Jozef Goetz and K. Kowalski

Abstract: In this paper we illustrate graphical aspects of Petri nets as lecture and textbook tools for introducing computer science concepts is given. Petri nets serve as a valuable pedagogical tool and visual communication aid for both the instructor and the students. Students can visualize structure and behavior of modeled systems and gain intuitive understanding of a problem. The explicit flow of tokens greatly enhances the understanding of the dynamic aspects of many concepts, especially those such as the deadlocks, interprocess communication, concurrency, mutual exclusion, producer/consumer, dining philosopher, readers/writers, sleeping barber, multithreading, software agent, Web services and protocol concepts.

The focus of the paper is to illustrate how Petri nets, how they work and how to model different deadlock aspects of concurrent processes of systems. Examples of models for the concept of deadlocks, the deadlock detection/prevention, the resource allocation and database access are shown. They are applied to operating systems, computer networks, Web services flow, database systems etc.

Jozef Goetz, D. Michalopoulos, and E. Reao
“Validating E-Commerce Solutions” (2005)

Abstract: There are many different technologies available for use in e-commerce applications today. We constructed three comparable solutions based on distinct technologies that included both open sources and commercial software. The paper concentrates on validating and comparing three different e-commerce solutions using the performance, computation speed and development effort criteria. Performance was measured in terms of how much time it took to process a page, with its associated code. We also measured the computation speed based on how many Lines Of Code (LOC) were executed divided by the time needed to process the page. The development effort was measured in each implementation using LOC count.

The three implementations used different combinations of PHP or ASP.NET, combined with MySQL or SQL 2000, running on IIS or Apache, on either Windows XP or Red Hat Linux. The two templates used for the implementations are the Commerce Starter Kit, available from the ASP.NET website, and the osCommerce solution, available from the OSCommerce website. The templates were modified to make them functionally equivalent before conducting performance testing and comparison.

Jusak Tandeau

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“Possible Evidence for a Higgs Boson in the Recently Measured Decay
Sigma+ -> p mu+ mu-”

**ABSTRACT:** The HyperCP Collaboration at Fermilab has recently observed three events for the decay Sigma+ -> p mu+ mu- which may be interpreted as a new particle of mass 214.3 MeV. However, existing data from kaon and B-meson decays severely constrain the construction of models that support this interpretation. It is shown that the “HyperCP particle” can be identified with the light pseudoscalar Higgs boson in the next-to-minimal supersymmetric standard model. In this model there are regions of parameter space where the particle can satisfy all the existing constraints from kaon and B-meson decays and mediate the decay observed by HyperCP.

**SETA WHITBY and YEHIA MORTAGY**

“The Utilization of Information Communication Technology in Medium and Small Enterprises in Developing Nations”

**ABSTRACT:** This is a study of an instrument to measure and tools to enhance the utilization of Information and Communication Technologies utilization in small and medium size enterprises in developing countries.

**MODERN LANGUAGES:**

**SEAN BERNARD**

**CATHY IRWIN**

“New Poems”

**ABSTRACT:** I’d like to share my new poems and poems in progress.

**ANDREA LABINGER**

*The Rainforest* and *Casablanca*

(Readings at 12:15 p.m. in Hogan Seminar Room 160)

**KIRSTEN OGDEN**

*The Vagina Monologues*

**ABSTRACT:** The play produced at the University of La Verne will be shown on a laptop. Various publications will also be displayed and discussed.

**SARA LESNIAK (LENA KAIN)**

*Of Another Kind* (Reading at 11:15 in Hogan Seminar Room 160)

**GENRE:** Juvenile Fantasy/Fiction

**SUMMARY AND QUOTATIONS:** 17-year-old Achak Twinfang already feels like he is a species away from the adult world. He did not need to grow a tail and whiskers to discover that. Then came Manu Firdaus, a wealthy man and collector of rare species, who arranges to have Achak brought to his animal sanctuary, Domestica. There, Achak will be forced to transmogrify into his second nature. Fur and fangs: Achak’s kind is supposed to be extinct. But so much the better for Manu. Now Achak will become an exhibit of Domestica if he does not learn how to change himself back into a human. However, only when one of Manu’s bounty hunters double-crosses him can Achak escape Manu’s menagerie, but he’ll have to continue running on all fours to maintain his freedom.

**EXCERPTS:**

“Lapidar heard Sirena’s shrill laughter and knew that she was about to take flight. There was a loud kaw and a burst of black feathers into the sun.” (p57)

“Achak watched from a foot away the stages of evolution occur like a video about the seasons being thrust into fast-forward. A smooth complexion turned bald, red, and wrinkled, while the black material of her outfit frilled into feathers.” (p65)

“Gradually, Lapidar leaned his body over the branch while trying not to scrape off the bark beneath him. Then, letting gravity take hold, he released his grip and tumbled in the air, landing at the bottom of the tree trunk. He resumed his hairiness on all-fours.” (p118)
MUSIC:

STEPHEN GOTHOLD
“Recent concert programs, posters, and a book”

KATHY LAMKIN
“Esterházy Musicians 1790 to 1809 Considered from New Sources in the Castle Forchtenstein Archives”

ABSTRACT: In 2002 Austrian scholars Josef Pratl and Heribert Scheck began their research of the Esterházy archives at Castle Forchtenstein where thousands of documents relating to the musicians who were employed during the time of Joseph Haydn as Kapellmeister for the Esterházy princes were discovered. Collaborating with Pratl and Scheck during a sabbatical, this article was researched, concentrating on the development of the Esterházy Kapelle for the last nineteen years of Haydn’s life. The volume examines the approximately 150 Esterházy musicians employed during the years 1790 when Haydn left Eisenstadt and Esterháza to live in Vienna while continuing to hold the title of Kapellmeister through 1809 when Haydn died. Among the significant new revelations is the specific dating of performances of works of Haydn and contemporary composers. Several facsimiles of the documents, biographies of the individual musicians along with a graph of their employment years, and a register of the musicians, nobility and high court officials are also included.

PSYCHOLOGY:

GLENN GAMST, RICHARD ROGERS, NENE COOK, AGHOP DER-KARABETIAN, A.J. GUAMINO (Auburn University), and LAWRENCE MEYERS (CSU, Sacramento)
“A Comparison of White and Non-White University Counseling Center Clients with Multicultural Assessment Intervention Process (MAIP) Model”

GLENN GAMST, RICHARD ROGERS, NENE COOK, A.J. GUAMINO (Auburn University), LAURA BAVA, CHRIS HUBERT, KAREN POLLARD, JACKIE POSTELL, SHERIN SINGLETON, and GENNY ZAPATA
“A Test of the Multicultural Assessment Intervention Process (MAIP) Model with a University Counseling Center Population”

CHRISTOPHER LIANG
“Coping as a mediator of racism-related stress among Asian Americans: Gender differences”

Abstract: Based on stress and coping theory (Lazarus & Folkman, 1984), the mediating role of coping in the relationship between perceptions of racism and racism-related stress among 336 Asian Americans was examined. Results indicated that coping mediated the relationship between racism and racism-related stress differently for men and women. For men, the more they perceived racism, the more likely they were to utilize support-seeking coping strategies that in turn resulted in higher levels of racism related stress. For women, the more they perceived racism, the more likely they were to utilize active coping strategies that in turn resulted in higher levels of racism related stress. The findings demonstrate how coping with racism differs for Asian Americans based on gender.

PATRICIA LONG, A.C. AOSVED, and E.K. VOLLER
“Adult sexual assault: Gender differences in experiences and adjustment”

PSYCHOLOGY, DOCTOR OF (PSY.D.):

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BARRY PERLMUTTER
"Current Mental Health Services within Prisons"
Abstract: Mental health care within prisons is afforded primarily to inmates with debilitating mental illnesses, and to those thought likely to benefit from psychopharmacological treatment. Treatment is typically unavailable, however, for a wide assortment of conditions that would receive attention outside prisons. This presentation highlights many issues facing prison mental health systems. It focuses on describing services currently available, and those that could make a positive difference if implemented within prison walls.

"Legislative Remedies and Innovative Prison Mental Health Treatment Programs"
Abstract: This presentation focuses on developing innovative programs that can treat mental health conditions while lowering costs of incarceration. Within this context it addresses legislative lobbying and advocacy efforts as they apply to prison mental health reform.

KRISTIE SCHEU, STACIE PHAM, and HOWAYDA ALY
"Media Influences on Public Perceptions of Mentally Ill Inmates"
Abstract: The media has also focused public attention upon shortcomings of California’s corrections system. Multiple reports can be found on the shortage of prison mental health workers and concerns about overcrowding. Recently, the media has been responsible for drawing public attention to the lack of appropriate after-care programs and wrap around services. If media attention can be refocused on current efforts at positive reforms, it may serve to bolster public support for such services.

C. SHERIN GOULDBY and STACIE PHAM
"Rehabilitation Programs for Mentally Ill Offenders within Prisons"
Abstract: This presentation explores characteristics that may determine the success of pre- and post-release programs. Such characteristics include longer and more frequent visits with case managers, post-release follow up, improved communication among mental health agencies, availability of mental health services, and availability of post-release economic and health services.

RELIGION AND PHILOSOPHY:

DAN CAMPANA
"Jesus said, "Whoever recognizes father and mother shall be called the child of a whore." The Notion of 'Family' As Case Study in the Development of Christian Ethical Theories"
Abstract: My research takes place at the intersection of biblical studies and ethical theory. The results of current work in biblical studies suggests radical disjunctions between three early phases in the development of Christianity: the revolutionary character of the Jesus movement as a peasant resistance movement, the accommodationism of the later first and second century Christian communities to the majority culture of the Roman Empire, and the institutionalization of Christianity as the religion of the majority culture in the Constantinian era. Each of these phases of development provided a context for different and incompatible value systems and ethical views. I focus on teachings regarding family structure as a case study, following this thread through these early phases of the Christian community. The other aspect of my research involves analysis of various contemporary approaches to ethical theory within the Christian tradition. Again, today’s social controversies over family structure, gender roles, and sexual orientation provide the case study for this analysis. The results of my research so far point in the following directions: a) certain approaches to ethical theory are simply untenable within the Christian tradition given fundamental incompatibilities in the earliest strata of its stories; b) narrative ethical theories, or ethical theories arising within various Liberation theologies hold the most promise for a Christian ethic that is faithful to the tradition and adequate for current issues; c) the implications of a) and b) for the present debate over family structure and related topics could be that the Christian community ought to be supportive of, and inclusive of a broad range of alternatives to the tradi-
JONATHAN REED  
Abstract: Jonathan Reed has just completed a manuscript that illustrates the various ways that archaeology contributes to our understanding of Christian origins. To be published by HarperCollins in the Fall of 2007, it surveys the relevant archaeological data necessary for reconstructing the context of the first Christians.

RICHARD ROSE  
“A Functional Paradigm: Developing a Global Ethic Through Metaphorical Coherence”  
Abstract: This work argues that an analysis of the way metaphors work to structure our view of reality will reveal areas of unresolved conflict concerning the way we conceptualize the world and rationalize our actions. This analysis is important to a functional theological theory because a consistent theological conceptualization of reality does not allow for systematic conflict within its operation. Ultimately, from a theological perspective the unresolved metaphorical conflict limits our ability to act effectively on issues that require a disciplined systematic practice consistent with an overall moral philosophy that informs the practice. What is intriguing, however, is that rather than revealing an exclusivist ethical theory, a pluralist ethical theory is uncovered—a pluralist theory that has the potential for moving us toward a coherent ethical model for a global society.

SOCIOLOGY/ANTHROPOLOGY:  

FELICIA BEARDSLEY  
“Discovery in the Archaeological Record of Micronesia and the Invitation to Announce in China”  
*Abstract:* This includes a pictorial presentation on the results of this season’s archaeological fieldwork in Micronesia. Project work focused on ground-truthing a local oral history and expanding the known archaeological record for the island of Kosrae. An entirely new stone working industry was identified and included statues, stone carving, painting, and ceramic production. The oral history—a story about the ambush and murder of a tyrant king—was verified. Significance of this season’s findings to Micronesian history and tradition was recognized by the Chinese Academy of Science which requested to be the site of the first public announcement of field results.

College of Business and Public Management  

APPLIED BUSINESS SCIENCE AND ECONOMICS:  

MEHDI BEHESHTIAN-ARDEKANI, ISSAM GHAZAWI, and RITA THAKUR  
“The Effect of Culture on Implementation of Advanced Information Technology in the Emerging Economies”

TRUDI FERGUSON  
“Later Career Development for Women”  
*Abstract:* This paper is follow up research to Trudi Ferguson’s book: Answers to the Mommy Track which researched highly successful women with children. The current investigation is based on new interviews with the same women including Sandra Day O’Connor, Geraldine Ferraro, Barbara Boxer, etc. to determine their latter career patterns, motivations, retirement plans and reality, and what we can learn as successful strategies for maturing women and for organizations that may employ them.

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AHMED ISPAHANI, LINDA GORDON, DAVID KUNG, and YEHIA MORTAGY
“A Two-Dimensional Supply Chain Life-Cycle Management Framework for the Automobile Industry”

ABSTRACT: This paper presents a framework for the automobile industry to analyze its Information Technology efforts along the supply chain life-cycle. First dimension includes both product and logistics-related activities from product design to production to logistics. Second dimension addresses product and supply chain specific types of characteristics, including the bitability, modularity, and information intensity, cost structure, and vertical collaboration or standardization opportunities.

DAVID KUNG and LINDA GORDON
“IT Deployment Assessment: A Two Dimensional Supply Chain Cycle Management Framework for Strategic Analysis”

ABSTRACT: The intent of this paper is to develop a framework for industries to analyze their Information Technology Deployment efforts based on operational activities along the life-cycle of their supply chains. In particular, industries that are mature and with low profit margin will find this framework pertinent. It is an accepted principle in these industries that efforts to streamline and reduce cost are easier to achieve than to increase equivalence in revenue. The framework encompasses all aspects of operations and provides a complete and comprehensive view of the whole supply chain. The first dimension of the framework includes both product-related and logistics-related activities. These are activities that involve from product design to production to materials movement and warehousing. The second dimension addresses product and supply chain specific types of characteristics, which vary by industry, that will impact the use of new Information Technology such as RFID, WiMax, and CPFR. These characteristics include the bitability, modularity, and information intensity of the product, cost structure in relation to product versus logistics, and vertical collaboration or standardization opportunities. By reviewing the life-cycle activities with these characteristics in mind, an industry can establish an Information Technology platform to guide new IT implementations for the future.

YEHIA MORTAGY and SETA WHITBY
“The Utilization of Information Communication Technology in Medium and Small Enterprises in Developing Nations”

ABSTRACT: This is a study of an instrument to measure and tools to enhance the utilization of Information and Communication Technologies utilization in small and medium size enterprises in developing countries.

BUSINESS MANAGEMENT AND LEADERSHIP:

CAROL SAWYER
“Exploring the Scholarship of Teaching and Learning: Five Paths to Academic Excellence”

ABSTRACT: For more than twenty years my teaching, organizational management and leadership practice have been centered in Malcolm Knowles’ theories of adult learning. From that understanding of how we learn has evolved a number of classroom activities for both graduate and undergraduate students, including focused attention on both individual and collective identification of best conditions for learning, shared responsibility of students and faculty for creating an environment to maximize learning opportunities, and recognition of the ways good organizational leadership and management relate to continuous learning. In the past sixteen months my research has explored multiple scholarly perspectives and approaches to enhance learning and to ensure that classroom activities and course assignments reflect knowledge about learning that will carry over into students’ lives beyond the university. We often speak of “building the bridge between theory and practice” and cross-
ing that bridge, in both directions, again and again. This poster relates to learning entry points, shared values, the power of reflection, whole brain thinking, integration, and co-created coursework.

**VIRGIL SMITH and PETER WITHERS**

"An International Management Simulation: The Dubai Ports Fiasco"

**ABSTRACT:** The purpose of this simulation game is to provide the class with realistic exposure to the global forces that not only impinge on their roles as global managers but also frame the business environment in which they must make executive decisions. The game is designed for seven groups or players, each group assuming the role of a key protagonist in the real world event: the intent, via acquisition, of Dubai Ports World International (DP World), a United Arab Emirates company, to take control of container operations at major ports on the Eastern Seaboard of the United States. Over the time period of the game each group or player, acting in role, will be required to negotiate according to their perception of the interests being pursued. Each group will determine an acceptable outcome for their particular protagonist in the Game Scenario (e.g., President Bush, Senator Hillary Clinton, DP World, etc.) and will attempt to reach that outcome or a suitable compromise.

**YVONNE SMITH**

"Unquestioned Assumptions: Organizational Research and the Protestant Work Ethic"

**BRIAN ARMSTRONG**

"Perspectives on Leadership within the Inland Empire Business Community”

**ABSTRACT:** The Inland Empire continues to grow at an astounding pace. This growth is led by civic and social leaders. The development occurs hand-in-hand with the business owners and entrepreneurs. This begs the question; with the planned neighborhoods and regional growth mapped out decades ahead of time, what leadership is emerging from the business community? Utilizing a variety of statistical techniques, the leadership composition of one Chamber of Commerce was analyzed for its perceptions on leadership, how its members understand their role, and the contributing elements to leadership development within small and medium sized business within the Inland Empire. Path Analysis indicates that the presence of role models is the most significant component to understanding leadership, along with an already present foundation of general leadership and business principles.

**PUBLIC AND HEALTH ADMINISTRATION:**

**HARRIET ARONOW and HILARY SIEBENS**

"Specialist Physicians in the Rehabilitation Continuum: Evaluating Clinical, Economic, and Physician Satisfaction Outcomes"

**ABSTRACT:** People living with disabilities, or at risk for disabilities, are vulnerable to a lack of access to appropriate specialist medical care. In the current managed care environment, specialist physicians face challenges to maintaining practice caseloads, resulting in difficulties in the recruitment and retention of specialist physicians, especially in non-urban communities. The resulting net out-migration of specialists further aggravates access problems for persons with disabilities. The purpose of “Specialist Physicians in the Rehabilitation Continuum,” a project funded by the UniHealth Foundation, was to demonstrate and evaluate an innovative health services delivery model in which specialist physician practices were integrated into the continuum of care of a Rehabilitation Hospital. This service delivery model has the potential to improve clinical outcomes for patients, improve physician satisfaction, and offer benefits to the hosting rehabilitation facility. In this poster, pilot data and preliminary evaluation results are presented.

**JOAN BRANIN**
“An Evaluation of An Education Training Intervention in Reducing Professional Burnout Among Nursing Home Personnel”

ABSTRACT: The purpose of this study was to investigate the effects of a training intervention program on empathy, group cohesion, and burnout among nursing home personnel. The findings suggest that nursing home personnel can benefit from the time and money spent on specialized training.

JACK MEEK, TERRY L. COOPER (USC), and THOMAS BRYER (USC)
“Citizen-Centered Collaborative Public Management” (Public Administration Review, November/December 2006)

ABSTRACT: Civic engagement and collaborative public management are concepts that are defined broadly, thus making theoretical explication challenging and practical application of empirical research difficult. In this article we adopt definitions of civic engagement and collaborative public management that are centered on the citizen and the potential for active citizenship. Following a historical review of civic engagement in the United States, we offer a conceptual model of five approaches to civic engagement based upon how each contributes to citizen-centered collaborative public management. We also suggest that citizen-centered collaborative public management is enhanced through these approaches. In closing, we suggest the need for further empirical research on collaborative public management that is grounded in citizen action.

MATT WITT
College of Education and Organizational Behavior

EDUCATION:

JAN PILGREEN
“Supporting English Learners: Explicit Teaching of the ‘Language of School’”

ABSTRACT: For the past decade, research on second language acquisition has shown that English learners need comprehensible input in order to acquire the target language. With the focus on high stakes testing, and the extensive use of academic language in textbooks, it is now recognized that English learners also need to develop a very specialized vocabulary containing academic language—the language of school. Dr. Pilgreen will present information from several conference presentations, as well as excerpts from two recent book chapters, dealing with this topic. She is also in the process of writing two books for Heinemann, which will include chapters on the explicit teaching of academic language for English learners.

YINGXIA CAO (Ph.D. candidate, State University of New York, Albany)

ABSTRACT: This research focuses on how and how well private higher education institutions have made efforts to link private higher education to the labor market. With a sample of 483 graduates from six private colleges upon graduation, interviews with a total of 12 private college presidents, vice presidents, and primary officers for student career services, as well as documents about major management practices in six of the colleges, this research describes various institutional management efforts, analyzes the initial graduate employment outcomes, and explores the possible association of institutional management efforts with initial graduate employment outcomes. This research finds that, upon graduation, most students who tried to find a job could find one which utilized their education and was satisfactory, but significant differences in graduate employment exist among the colleges with respect to graduate employment status, starting salary, job education match, and job satisfaction. Most private college graduates got their job directly or indirectly through their Alma Mater and are satisfied with related institutional management efforts, while their satisfaction level is statistically different among colleges. In addition, initial graduate employment outcomes (e.g., employment status, starting salary, and employment satisfaction) are likely to
be related to institutional management efforts (e.g., niche-field designation, the establishment of a separate career service office from other functions, and networking with industry).

INGEBORG KENDALL MARANTO
"Partnering by Community College Administrators to Host Baccalaureate Degree Programs on the Community College Campus"

ABSTRACT: Descriptive multiple case study of six community colleges that host university programs in California. Findings are persistence in seeking a willing intersegmental partner must be matched with a willingness to cooperate and an entrepreneurial approach to choosing partners. Suggests integrated planning in academic, student and administrative services improves program delivery. Partnering enables sustainable growth for the community and aids colleges in achieving master plan goals. Identifies benefits, key critical factors and interrelationship patterns. Practitioners should use best practices findings as the basis for assessing organizational readiness and capacity for successful partnering, enabling them to make stronger living networks.

LISA RODRIGUEZ
"Faculty Use of Instructional Technology in the Brick and Mortar as well as Virtual Classrooms"

ABSTRACT: This report presents the results of the 2005-2006 ULV faculty technology survey representing a 44% full-time and 29% part time faculty response rate, respectively. The survey was designed to gauge faculty attitudes, needs, and experiences with academic technologies, classroom equipment, professional development services, student instructional technology preferences, and usage patterns with the course management system, Blackboard.

College of Law

JUANDA DANIEL (and KEVIN MARSHALL)
"Avoiding Economic Waste In Contract Damages: Myths, Misunderstanding and Malcontent"


"K.I.S.S. The Parol Evidence Rule Goodbye: Simplifying the Concept of Protecting the Parties’ Written Agreement"

COMMENT: 57 SYRACUSE L. REV. (forthcoming, Fall 2006)

JOHN LINARELLI
"Is There Unity in Practical Philosophy? A Preliminary Sketch of a (Primarily) Kantian Theory"

ABSTRACT: Analytical legal philosophy rejects the thesis that a necessary connection exists between law and morality. The core commitments of legal positivism are in the elucidation of theory to identify the features of what makes law what it is. Exclusive legal positivists contend that the existence of law comes exclusively from social sources. Inclusive legal positivists accept that it may be possible that moral criteria determine the existence of law in some cases. No positivists accept that moral criteria are necessary for the existence of law. Legal positivism attempts a descriptive-explanatory theory about the nature of law. I challenge the contention that no necessary connection exists between law and morality. My challenge comes in two parts, one a critique and the other an affirmative case for an alternative account. First, I ask whether positivists demand too much of theory, or more precisely, make mistakes about the meta-theoretical limitations of their account. Positivists claim that their conceptual analysis is descriptive and explains the necessity conditions for law in value neutral terms. If we look at the history of practical philosophy we see that practical reasoning accounts are always normative. Moreover, the way positivists make claims from social facts and social acceptance tells us that an attempt at descriptive, neutral theory is
impossible. Second, while some positivists concede that they make normative claims, they mistakenly distinguish between normativity and value. Pragmatist philosophers such as Richard Rorty argue for a unity of in practical philosophy in pragmatist terms. John Finnis provides the most influential contemporary natural law case for unity, rooted in Aristotle and Aquinas. Ronald Dworkin's later philosophy offers an interpretative approach and comes closest to producing a constructivist account or one based, at least implicitly, in a Rawlsian reflective equilibrium. My account is neo-Kantian, though it will show affinities between Kantian and Hegelian accounts. I think the Kantian and Hegelian materials provide the best arguments for showing the necessary connections between law and morality. Stay tuned. This is very much a work in progress!

“Commercial Law and Commercial Communities: Codes, Conventions and Norms in an Age of Globalization”

ABSTRACT: This is a book that I have been speaking to Cambridge University Press about publishing. I plan to present revised chapters at law schools and other venues, to get feedback and critique of the manuscript. Once I get that process done, I will submit the final manuscript to the publisher, who will then put it through their standard peer review process.

“Global Trade Liberalization: Cases and Materials”

ABSTRACT: This is a law school casebook that I am in the very early stages of writing with Professor Chin Lim of the National University of Singapore. Perhaps the most significant contribution of the book is that we will not rely solely on World Trade Organization materials. Bilateral and regional free trade and investment agreements have proliferated in the past decade. To get an accurate depiction of the law in the field, these agreements need to be examined. This book will examine these norms, as well as WTO norms. My co-author was lead counsel for Singapore in their negotiation of a free trade agreement with the US. The book's authors have such Normative claims, as well as WTO norms. My co-author was lead counsel for Singapore in their negotiation of a free trade agreement with the US. The book's authors have taught international economic law in Europe and have published in European venues.

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Third Annual Faculty Research Day, November 16, 2006 — 15
READINGS in the Hogan Seminar Room 160:

11:15 a.m.: Sara Lesniak, reading from her new book, Of Another Kind

12:15 p.m.: Andrea Labinger, reading from her new translations, The Rainforest and Casablanca