4th Annual Faculty Research and Professional Activity Day: A Celebration of Scholarship and Creativity

Thursday, November 8, 2007
Wilson Library and Harris Gallery
11 a.m. - 1 p.m.

Featuring ULV Academy and Young Scholars Achievement Awards 2007
Sponsored by the Faculty Research Committee,
ART and ART HISTORY:

PIXEL: Digital Works by the Department of Art and Art History Faculty. An exhibition in the Harris Art Gallery. All works represent aspects of each artist's larger bodies of work and were printed from an Epson 7500 large format inkjet printer, courtesy of the Photography Department. (see additional PIXEL works under Photography)

DION JOHNSON
Poison and Moonlight

JOHN LEAVER
Cathedral

KEITH LORD
Alternate I and Alternate II

RUTH TROTTER
Shadow Drawing (Black) and Shadow Drawing (Blue)

BIOLOGY:

CHRISTINE BROUSSARD
“Effects of Methoxychlor Exposure on the Development of CD4 T-cells in C57BL/6 mice”

ABSTRACT: T cells protect the body from pathogens and diseases by initiating and orchestrating the adaptive immune response. T cells express one of two main types of co-receptors, CD4 and CD8. Before 1997, researchers were unable to study the development of T cells in the absence of the thymus, a lymphoid organ where T cells develop. However, Cibotti et al. (1997) found specific surface molecules (CD2 & TCR) that were able to signal immature T cells to become mature T cells in the absence of thymic epithelium. The goal of this project was to study the effects of methoxychlor (MXC) on the development of T cells using this in vitro model of T cell differentiation. MXC is an organochlorine pesticide adopted for use as a safer alternative to DDT, when DDT was banned. MXC is of particular concern because it mimics estrogens and acts as an endocrine disruptor. Previous studies have investigated the toxicological effects of MXC exposure and have found negative effects on the nervous and reproductive systems. Few studies, however, have been conducted investigating the effects of MXC on the development of the immune system. In agreement with studies of estrogen, we found that MXC did not appear to induce death of developing T cells (Zoller and Kersh, 2006) at low doses, but rather to alter the T cell developmental program.

“Do I need to know this for the exam?” Using Popular Media, Inquiry-based Laboratories, and a Community of Scientific Practice to Motivate Students to Learn Developmental Biology

ABSTRACT: This essay describes the redesign of our Developmental Biology course to foster a deeper connection between students and the field of developmental biology. We created a community of scientific practice focused on the investigation of environmental impacts on embryonic development and informed by popular and scientific media, the students’ own questions, and the instructor. Our goals were to engage students in meaningful ways with the material, to develop students’ science process skills, and to enhance students’ understanding of broad principles of Developmental Biology.
JEFFERY BURKHART
Herpetofaunal investigations of Cusuco National, Park, Honduras
ABSTRACT: During summer 2006 I worked as Senior Herpetologist for Operation Wallacea, an Oxford University-based program that conducts biotic surveys in third-world countries. Along with 7 other herpetologists, I directed a survey of the amphibian and reptile fauna of Cusuco National Park in northwestern Honduras. Cusuco contains significant tracts of cloud forest that serve as home to many unique species. During two months of effort, the known herpetofauna of Cusuco was increased by 31%.

JAY 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.

“Studies on the Mechanism of Chemical Resistance in Fossil Cuticle”
ABSTRACT: Plant cuticles are one of the most common chemically preserved fossils. Earlier research by the author clearly demonstrated that cuticle provides the best preserved stable isotope signature, from which one can gain insight to the metabolism of the fossil plant. A model suggesting the sequestration of ester linkages behind ether linkages is proposed. Examination using recently developed Nuclear Magnetic Resonance methods is currently underway. This approach involves swelling the cuticle in deuterated solvents, prior to CP-MAS, nuclear magnetic resonance spectroscopy.

JAY JONES, HARVEY GOOD, and ROBERT NEHER
"Innovation for a New Generation (INGI): An Initiative to Enhance Enrollments and Graduation Rates in the Sciences"
ABSTRACT: This is designed to increase the number of science graduates with solid theoretical knowledge, the ability to apply it, and the values to use their talents in constructive ways. A comprehensive approach from recruitment to graduation is required. Elements of the initiative included interactive outreach, renovation and enhancement of freshman majors learning space, and providing user-friendly, research-grade instrumentation for instruction and undergraduate research. This strategy appears to have been very effective in attracting and retaining Biology and Chemistry students at the University of La Verne.

STACEY NOVAK
"Hypochlorite promotes the formation of autofluorescent, embryonic remnants in trichome-stage seedlings: a potential tool for the study of seedling development in Spathoglottis plicata."

Faculty Research Day Brochure, November 8, 2007 — 2
KATHLEEN WEAVER

“Assessing the conservation status of the land snail Oreohelix wasatchensis (Family Oreohelicidae)”

**Abstract:** Establishing conservation priorities for invertebrate groups has proven difficult as many proposed units of diversity are based on morphological features that do not reflect evolutionary history. This confusion is compounded by poorly defined ranges of proposed endemic and endangered groups, leading to problems formulating adequate conservation management strategies. We examined one such group, Oreohelix peripherica wasatchensis, a land-snail located in the Wasatch Front Range of Utah that is a candidate for protection under the Endangered Species Act. We employed a broad sampling approach to determine the current range of O.p. wasatchensis, including the type locality, several localities in the surrounding Wasatch Mountains, and localities throughout Utah, Nevada, and Colorado. From these samples, we sequenced the mitochondrial DNA loci 12S and Cytochrome Oxidase I (COI) and nuclear loci Internal Transcribed Spacers 1 and 2 (ITS1 and ITS2) and 5.8S. We estimated phylogenetic relationships using maximum likelihood and Bayesian analyses. Molecular data and radula morphology data indicate that the group identified as O.p. wasatchensis falls into two distinct clades. We recommend further ecological and population assessments of these two distinct mitochondrial clades based on the newly defined range to evaluate its endangered status under the IUCN criteria. This research will be published in *Conservation Genetics* in 2008.

**Chemistry:**

IRAJ PARCHAMAZAD (MEMBER OF ULV ACADEMY)

“System Modeling and Component Testing for the Propane Fuel Cell Auxiliary Power Unit”

Abstract: The goal of this project is to develop a fuel cell based auxiliary power unit able to provide stationary power for long haul trucks. During rest periods trucks typically idle the main diesel engine to supply electrical power, “hotel power” for driver comfort and convenience. Operating a large diesel engine at this condition is inefficient and dirty. This project proposes the use of propane as an energy source for providing hotel power for long haul trucks. Propane with a fuel reformer and a hydrogen fuel cell will provide an efficient and low emission source of electrical power with a dramatic reduction in NOx and SOx.

IRAJ PARCHAMAZAD, ROBERT NEHER, and ADRIANA ARTEAGA

Natural product analysis

Abstract: Current work is focused on characterizing extracts from Shirekhdest (Crotneaster spp.), a Middle Eastern herb used in the treatment of Rubella. Recent research also suggests anticancer activity and induced resistance to radiation damage. Chemically characterizing the active components of shirekhdest is the first step in developing commercial pharmaceutical forms. NMR analysis of solid and solution forms suggests the presence of a glycosidic active fraction. Fractions from these preparations have been provided to Dr. Christine Broussard to assess their effect on T cells of the immune system.

IRAJ PARCHAMAZAD and EMINET GEBREMICHAEL

“Electron Transfer Processes in Functionalized C60”

Abstract: The NMR is being used to assess functionalized carbon nanotubes as part of a study to develop a new generation of solar cells. Unlike conventional cells, these will be silicon free. Nanoparticles can have properties that transcend traditional quantum limitations and thus can be “tuned” to use light energy more efficiently.

IRAJ PARCHAMAZAD, JAY JONES, and ROBERT NEHER

Faculty Research Day Brochure, November 8, 2007 — 3
Research Activity in the new W.M. Keck NMR Facility

Abstract: The newly established W.M. Keck NMR facility provides a powerful and flexible tool for instruction and research. A 400 MHz Bruker Avance NMR is at the heart of the facility. The flexibility of the instrument lies in the carefully selected probes. The BBO and BBI probes allow assessment of nearly all NMR detectable isotopes. Two of the five probes are specifically designed for the analysis of solid samples. Another was custom designed to allow the sample to be exposed to light and/or ultraviolet radiation, during analysis. This allows observation of real time photochemical changes, including transition states. This capability will be particularly important for studies related to solar photochemistry, which will be a major player in the “green” revolution. Three of the current research projects are the two listed above, natural process analysis and carbon nanoparticle analysis, and one described with Jay Jones under Biology, chemical resistance of fossil cuticle.

COMMUNICATIONS:

GEORGE KEELER

A compilation of creative interests:

ABSTRACT: (1) History Channel: George Keeler and Mike Laponis appeared as expert commentators on the History Channel’s “Beyond the War of the Worlds” documentary with present day national airings. (2) A second nationally distributed educational DVD documentary features George Keeler and Mike Laponis as expert commentators: “H.G. Wells: The War of the Worlds—A Historical Perspective of the H.G. Wells Classic Book.” (3) Communications Department Internships: Creation of a quality internship program to attract and retain students. (4) Journalism curriculum change brought on by convergence.

DON POLLOCK

Sustainability and the Environment: A video collaboration between the ULV Communications Department and the ULV Natural Sciences Division

ABSTRACT: Three episodes of a TV pilot series were produced on issues of Sustainability: “On the Cusp of the Homogenozoic” with Dr. Jay Jones, “Tropical Rain Forests and Coral Reefs: Eco Systems in Danger” with Dr. Jeff Burkhart and “Invasive Species” with Dr. Kathleen Weaver

ELIZABETH ZWERLING

“Rewriting history: Should editors delete or alter online content? From college papers to The New York Times, sources clamor to ‘take it back,’ asking for old quotes and comments to be deleted from websites. Should they be?”, published in Aug. 2007 in the USC Annenberg School of Communication Online Journalism Review.

ENGLISH:

JEFFREY KAHAN (MEMBER OF ULV ACADEMY)


RECENT BOOKS:
Much Ado About Nothing (Shakespeare Sourcebook Series, 2006).

RECENT ARTICLES:
“Canonical Breaches and Apocryphal Patches.” Shakespeare Yearbook (2007)
“Conan the Shakespearean/Hamlet the Barbarian” for The Dark Man Journal (2006)

RECENT PUBLISHED NOTES:
JOHANNA KARDUX (FULBRIGHT SCHOLAR-IN-RESIDENCE)
Slavery and Memory in Transatlantic Perspective

ABSTRACT: I am working on a number of research projects that have grown out of an on-going project on the memorialization of slavery in the United States and the Netherlands. Having researched public debates surrounding the National Slavery Monument in Amsterdam, I am now looking at the history of similar memorial projects in the United States, such as the African burial ground in Manhattan and the President’s House in Philadelphia. I have also just embarked on an editorial project of collecting, transcribing, and translating writings by and historical documents related to two West African “princes” who were educated in the Netherlands in the mid-nineteenth century as part of a secret recruiting deal between the Ashanti ruler and the Dutch government.

KEN SCAMBRAY
Italian Immigration to Fresno: The West Side Community

ABSTRACT: No one has published a scholarly study of the history of Italian immigration to Fresno or to the San Joaquin Valley. Italians settled every area of the state, from the north to the south, and were involved in a wide variety of occupations. By 1965 Italians were the largest European ethnic group in California. I am attempting to fill a gap in the current research by documenting the existence of one of the hundreds of small Italian settlements in California that until now has gone completely unnoticed. My research is based upon personal experience, oral history, and archival research.

HISTORY AND POLITICAL SCIENCE:

GITY AMINI
“Brinksmanship and the Culture Gap: How Universal is the Language of Strategic Negotiation?”

Abstract: Rational deterrence theory and other rational strategies assume that threats and rewards are weighed and considered essentially the same by the initiator as by the recipient. The most that has been said about the method of tailoring them to the recipient is suggested by economics: arguments about subjective expected utility guide the strategist to make the tactics “fit” the adversary’s particular needs. However, such blanket suggestions do not offer enough guidance to statesmen considering what timing or order of tactics to employ, or, for that matter, what tone and manner of address should be used to communicate such threats and assurances. This paper will analyze whether cultural sensitivity in high pressure situations plays an important role in resolving conflicts satisfactorily. It will do so by focusing on two main areas of past and current tension: American dealings with the Middle East and U.S. relations with East Asia.

JASON NEIDLEMAN
“An Invitation to Love Our Brothers: On the Tension between Rousseau’s Political and Religious Thought”

Abstract: It is often argued that demands of Rousseau’s political science are irreconcilable with the demands of his theology (Pierre Masson, Yves Touchefeu, Paul DeMan). This paper mitigates this tension and argues that Rousseau’s writings on religion are best understood as structurally parallel to his writings on his other preferred pathways to truth: reverie and republicanism. All of these are reliable paths to truth, in Rousseau’s view, provided they are pursued within the constraints of four criteria: immediacy, simplicity, autonomy and utility. Rousseau consistently, if unsystematically, applied these four principles in evaluating truth claims, whether those claims originated in philosophy, which he generally judged unreliable, or, in religion, reverie, republican politics, which he generally preferred. This framework suggests a reconciliation of Rousseau’s political and religious writings. Natural religion
and the republic of virtue prove to be alternate but complimentary paths to the same ‘truths that affect the happiness of mankind,’ to which Rousseau claimed to have dedicated his life.

KEN MARCUS (MEMBER OF ULV ACADEMY)

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

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:

MIKE DEMARS

“Using Blackboard to Deliver Library Content”

Abstract: By partnering with a ULV Librarian, faculty can now add library content directly into their Blackboard course shell. This Poster shows how the librarian and instructor can work collaboratively to deliver library research services to students.

LINDA GORDON and DAVID KUNG

“Global Supply Chain Compliance: Current Issues and Developments Between United States and Chinese Corporations”

Abstract: In the past few years, numerous United States corporations have experienced unexpected supply chain compliance issues with Chinese suppliers. Some have led to undesirable publicity and outcomes with U.S. consumers. The root cause resides within the compliance aspect of the global supply chains. Therefore, in a relatively short period of time, the business relationships between US corporations and their Chinese suppliers are being jeopardized. This has a potentially large impact on the economic well being of the two nations. This research aims at examining the rationale behind such negative developments and suggesting corrective actions to avoid future damage.

DARRYL SWARM

“Research Services at the Library for Faculty”

Abstract: This poster presents a general overview of faculty services at the Wilson Library, including book order requests, LeoDelivers, and research assistance.
MATHEMATICS, PHYSICS, AND COMPUTER SCIENCE:

DAVID CHAPPELL
“The Oort Model Reconsidered: Reactive Granular Fluid Models of Interstellar Turbulence”

ABSTRACT: A computational simulation of the evolution and energetics of a giant molecular cloud (GMC) is presented. The simulation is based on Oort’s original model in which the internal structure of a GMC is represented by an ensemble of interacting particles. This is a progress report on the development of a collection of model simulations. The aim is to classify models according to temporal variability, velocity distribution scaling, mass functions, and spatial correlations in order to assess the robustness of recent model predictions. It is suggested that the Oort model may provide a natural platform that naturally connects interstellar turbulence studies to other branches of physics including granular fluids and Burgers’ turbulence.

JOZEF GOETZ, D. MICHALOPOULOS, and J. PANGILINAN

ABSTRACT: ASP.NET and Ajax are two dynamic technologies. This paper looks at them and what performance benefits can be attained by using them together. The main objective is to integrate Ajax.NET into the ASP.NET Commerce Starter Kit Shopping Cart, and observe the performance difference between the original ASP.NET implementation and the Ajax.NET enhanced implementation. A performance analysis based on Page Load times, as well as LOC (Lines of Code) analysis is conducted.

JOZEF GOETZ and C. RACATAIAN

ABSTRACT: The complexity of the tools and technologies available for web publishing pose problems for all the participants in the web based learning process. Many of these problems are derived from the inability to bring all the views together under a unifying model. The solution implemented here addresses two important features of e-learning, personalization and collaboration. At the conceptual level, personalization and collaboration offer students the needed atmosphere for healthy interactions, and at the same time, give the instructor the tools to customize the level of personalization and monitor the collaboration all in one interface. At the implementation level, the solution aims toward a higher degree of modularization for Microsoft platform, which has a wide range of applicability.

XIAOYAN LIU
“Univariate and Bivariate Spline Functions and Applications”

SETA WHITBY and YEHIA MORTAGY
“The Effect of Student Background on the Learning Outcome in Different Class Format — A Longitudinal Study”

ABSTRACT: This study compares student learning outcomes, student personality, and student satisfaction with course between two sections of the same course, face to face (F2F)
and Online Distance Learning. The study is a quasi experimental design. Both versions of the course were taught by the same instructor. The paper investigates how students’ backgrounds prepare them for online education. Initial findings indicate that (1) no deep knowledge of computers is needed; however, familiarity with technology is required; (2) performance of adult students improved over time, but no such improvements were found for traditional age students; and (3) there was no difference in the grades of adult as compared to traditional students.

MODERN LANGUAGES:

GABRIELA CAPRAROIU
Romanian Modernism

Abstract: This project studies Romanian literary modernism within its European context. Part of the research centers around journals that give evidence of the literary exchange during the 1920’s and 1930’s, as well as of the connections poets such as Tzara, Ionesco, Voronca, and Fondane maintained with local writers, largely unknown abroad. Many of these bilingual writers acknowledged a sense of continuity with the literary tradition of their place of origin. I will consult the following avant-garde journals: Unu (One) (1928-1932); Contemporanul (The Contemporary) (1922-1932), a journal that claimed its allegiance to Constructivism; Punct (Point) (1924-1925), which attempted to take a more radical orientation; and Integral (Integral) (1925-1928) which sought to create a space for different voices including those of sculptor, Constantin Brâncuși, and poet, Tudor Arghezi. During the same interwar period the involvement of women writers in the local literary culture increased. My objective is to study the activity of writers such as Sevastia Ticu Archip and Hortensia Papadat-Bengescu who participated in debates regarding the social condition of intellectual women at the time. As a result of their exclusion from professional associations, women writers founded their own societies. Ticu Archip, for instance, was main editor of Revista scrîtorilor și scriitoarelor români (Journal of Romanian Women and Male Writers) (1926-1928). I will continue the research I began at the Getty in Muzeul Literaturii Române (The Museum of The Romanian Literature), Biblioteca Academiei (The Library of the Academy), and Biblioteca Centrală Universitară (The University of Bucharest Library) in Bucharest.

CATHY IRWIN
“Twice Orphaned: Voices from Manzanar’s Children’s Village”

Abstract: On June 23, 1942, thirty-one children from two Japanese American orphanages in Los Angeles boarded a bus to Manzanar, one of the ten American internment camps for Japanese immigrants and American citizens of Japanese ancestry during World War II. At Manzanar, they lived with other orphans in the barracks euphemistically named “Children’s Village.” This oral history project documents the impact that internment had on these children who were orphaned by both parents and government.

ANDREA LABINGER (MEMBER OF ULV ACADEMY)

KIRSTEN OGDEN
“Poetry Reading as the Peter Taylor Poetry Fellow for The Kenyon Review”

MUSIC:

KATHY LAMKIN (MEMBER OF ULV ACADEMY)
Esterházy Musicians 1790 to 1809 Considered from New Sources in the Castle Forchtenstein Archives (Eisenstädt-Haydn-Berichte 6)

Abstract: In 2002 Austrian scholars Josef Prattl 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 Prattl and Schect 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.

PHOTOGRAPHY:

GARY COLBY

Six Toy Soldiers exists as six vertical pigment inkjet prints, each measuring 23 3/4 X 36-inches and flush mounted on 1/2-inch foamcore board with no laminate overlay. They are displayed together, approximately 1-inch apart. The piece emerges from thinking about the origins of drawing, the conversion of the human sensory experience to two-dimensional rendering, and photography as a vector in the history of art. The basic images for Six Toy Soldiers are captured from ordinary plastic toy soldiers using a digital camera and a close-up lens in natural light. Heavily edited, the pictures bear clear evidence of digital manipulation, with false shadows and obvious and variable edge treatment. The illusion of low relief is deliberately ambiguous, and content is topically and personally relevant.

KEVIN HOLLAND

Shibuya 1 and Shibuya 2

PSYCHOLOGY:

GLENN GAMST, LAWRENCE MEYERS, and A.J. GUARINO

Fundamentals of Research Design and Data Analysis (Cambridge University Press) (forthcoming)

CHRISTOPHER LIANG, JESSICA PRINCE, AND KIMBERLY WONG

“Discrimination, Coping, and Self-Esteem of Asian American Women”

Abstract: Based on stress and coping theory (Lazarus & Folkman, 1984), we examined the mediating role of avoidance coping, social support coping, and problem-solving coping in the relationship between perceptions of racism, sexism, race-based sexism, and self-esteem among Asian American women (N = 429). Results indicated that avoidance coping mediated the relationship between each form of perceived discrimination and self-esteem. Specifically, while women used each form of coping strategy, use of avoidance coping, after perceiving sexism, racism, or race-based sexism, resulted in lower self-esteem. The findings provide support for how avoidance coping is detrimental to self-esteem. Neither problem-solving nor social support strategies mediated the relationships.

RELIGION AND PHILOSOPHY:

DAN CAMPANA

“Ideology of the Family: A Case Study for Christian Narrative Ethics”

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, and the institutionalization of Christianity as the religion of the majority culture in the Constantinian era. Each phase provided a context for different and incompatible value systems and ethical views. I focus on teachings regarding family structure, following this thread through these three phases. My other research analyzes contemporary approaches to ethical theory within the Christian tradition. Today’s social controversies over family structure, gender roles, and sexual orientation provide the case study. My results so far point in the following directions: a) certain approaches to ethical theory are simply untenable within the Christian tradition; b) narrative ethical theories, or ethical theories arising within various Liberation theologies, hold the most promise for a Christian ethic that is faithful to tradition and adequate for current issues; c) the implications for the present debate could be that the Christian community ought to be supportive of, and inclusive of, a broad range of alternatives to the ‘traditional’ family.

The following professional opportunities have resulted from my research recently:

- ‘Family and Kingdom: Reconsidering Alternative Families in Light Jesus’ Kingdom’, under consideration for publication in International Journal for Theology and Sexuality

JONATHAN REED (MEMBER OF ULV ACADEMY)

Abstract: This new book illustrates the various ways that archaeology contributes to our understanding of Christian origins. Just published, it surveys the relevant archaeological data necessary for reconstructing the context of the first Christians.

RICHARD ROSE
“A Functional Paradigm: An Interfaith Approach to a Social Ethic”

Abstract: In this book I combined my research and experience as a Christian minister, my involvement in the global interfaith movement, and my philosophy of religious pluralism to develop an interfaith approach to a social ethic that is based on function. Despite the conflicting truth claims, diverse histories, and non-compatible rituals that we find when comparing religious traditions, service to humanity is a common theme. In fact, in many religious traditions service to humanity is an aspect of a social ethic that is nonsectarian. Through the use of a functional paradigm the book explores the way religious language works to create subjective mental states. These mental states represent various degrees of truth for the adherents, truths that cannot be verified, resulting in conflicting truth claims. However, because the truth claims function in the various traditions to teach social values, function and morality are areas in which common ground can be found.

SOCIOLOGY/ANTHROPOLOGY:

SHARON DAVIS
“The Effective Use of Guided Group Interaction to Effect Change in Male Juvenile Delinquent Gang Members” in The International Journal of Environmental, Cultural, Economic and Social Sustainability (2007)

Abstract: The problem of juvenile delinquency and juvenile gangs is now a global issue. Guided group interaction has been shown to have great promise in dealing with gang delinquency. Successful guided group interaction is when members of a community assume responsibility for their own and each others’ successes and failures, problem solve in small groups for which they have responsibility, and effectively assume political governance of their community. This study examines the use of guided group interaction with individuals.
who initially hold deviant attitudes and have committed serious crimes. Specifically, it focuses on incarcerated male juvenile delinquents, 60% of whom are gang members, at a placement facility that utilizes the technique, as their major rehabilitation strategy. The successful use of this technique offers not only a reduction in gang delinquency and future criminal behaviors, but also hope for sustainability.

“Denial of Responsibility Among Incarcerated Male Juvenile Delinquents”

Abstract: This paper explores the denial of responsibility, characteristic of contemporary American society, in a specific population of incarcerated male juvenile delinquents. Each of the 45 boys in the sample had been through a court hearing and adjudicated delinquent. Yet, they denied responsibility for behaviors even when it is relatively certain that they did engage in those behaviors. While incarcerated, they continued to deny responsibility. Using qualitative interviews and staff accounts, a typology and various themes in the denial of responsibility are identified and examples of each are provided. Subsequently, various successful institutional techniques for dealing with the denial of responsibility are identified and explained.

COLLEGE of BUSINESS and PUBLIC MANAGEMENT

APPLIED BUSINESS SCIENCE AND ECONOMICS:

MEHDI BEHESHTIAN-ARDAKANI

“Supplier Relationship Management: An Advancement in Supply Change Management”

ABSTRACT: This article introduces a new model that brings together three "platform" principles: world-class Supply Chain Management, process leadership in lean/Six Sigma disciplines, and Information Technology (IT). Once companies have mapped out their processes and prioritized their improvement initiatives, lean/Six Sigma disciplines can provide tools and techniques for implementing the initiatives.

“Factors Impacting the Digital Divide: A comparative study of factors in USA and two developing counties”

ABSTRACT: In the last few years I have researched comparative factors, such as culture and economics, affecting the implementation and management of information technology in emerging and emerged economies. In now aim to extend my previous research to a general category and study how these factors lead to and impact the digital divide. I will try to classify and measure, through an empirical study, the factors leading to digital divide, and how it will effect the emerging and emerged economies. Two emerging economies will be studied alone with the U.S., an emerged economy.

ADHAM CHEHAB

“Market Reaction to Large Bank Merger Announcements in Oligopolies”

ABSTRACT: This paper evaluates the individual and rival stock price reactions to large bank merger announcements and subsequent regulatory rejection in an oligopoly. The results show that the announcements produce significant positive abnormal returns for the merger candidates. Regulatory obstacles and denial of the proposed mergers produce significant negative returns. Analysis of the rivals’ reactions doesn’t produce consistent significant results. This suggests that the market reactions for the merging banks results are driven by expected increases in efficiencies. The rivals’ reaction is explained by the fact that the market would remain contestable after the mergers since the offered products are homogeneous.
“Firm Characteristics and the Covenants it Faces When Issuing Bonds”

ABSTRACT: This is a study of the determinants of the firms’ indenture covenants strictness. The analysis shows that of the firms’ characteristics, insider ownership is the most important explanatory variable. This indicates that the bondholders are more concerned with agency costs than other considerations.

DAVID KUNG and LINDA GORDON
(See Linda Gordon under Library in College of Arts and Sciences)

YEHIA MORTAGY and SETHA WHITBY
(see Seta Whitby under Mathematics, Physics, and Computer Science)

JULIUS WALECZKI
“The Future of Free Trade Agreements: Benefits or Costs?”
Abstract: Regional free trade agreements (FTAs) have provided a viable alternative to global trade negotiations and produced significant economic benefits. Over 40% of the U.S. exports are destined to countries with FTAs. Environmental and labor standards under FTAs are now stronger than ever before. At this time there are four new pending trade agreements with the following countries Peru, Colombia, Panama and South Korea; however, the future of these new agreements is still uncertain. Free trade is again subject to pressures and changing political winds in Washington. Despite a significant progress in opening foreign markets to U.S. exports there are new powerful forces, which want to turn the clock back. At the same time, the U.S championship of open markets is now also questioned by the very developing countries, including Mexico. Unfortunately, some of the alternative solutions seem more like a reflection of the disastrous trade policies during the Great Depression.

“The Role of Geographic and Economic Spaces in Business Expansion and Economic Development”
Abstract: This new research investigates the importance of spatial factors in business growth and regional development and the treatment of geographic space by business and economics

BUSINESS MANAGEMENT AND LEADERSHIP:

JANIS DIETZ
The 3 Simple Secrets of Success after the Diploma: Integrity, Persistence, and Discipline (Universe, October 2007)
Abstract: This book provides advice for new graduates on ways to live a successful life. Over seventy references add powerful links to make this book just the beginning. Chapters such as “Give your employer more than your salary,” “You are Self-employed,” and “Go after the ‘A’ in achievement” highlight critical life skills for the graduate's toolbox.

ISSAM GHAZAWI
“Motivation Through Setting Goals: Lessons Learned from a Technology Organization” in Journal of The Academy of Business Administration (forthcoming)
Abstract: IT managers seek creative solutions to motivate their subordinates in achieving organizational growth goals. While goal setting as a motivational strategy has been studied, this paper recounts one California IT startup's experiences in motivating its non-technical staff to attain targeted sales goals by setting sales performance and gross profit goals, obtaining employee commitment to achieving set goals, training and updating employee knowledge when necessary, and providing continuous feedback.

“Job Satisfaction among IT Professionals in the US: An Empirical Study” in Academy of Business Review-Cambridge (forthcoming)
Abstract: Information technology dominates our lives, from automating production to
redefining basic concepts of communication. Job satisfaction is an important subject in organizations that move to meet customer demands in a timely fashion. IT professionals are unique in that they cope with the challenges of a borderless, 24/7 world. This paper investigates factors contributing to job satisfaction among IT professionals in the United States.

JEANNY LIU
“Dimensions of Consumer Sophistication”

ABSTRACT: This research examined different dimensions of sophisticated consumers and the effect of their growth. It used the construct of consumer sophistication to develop a theoretical framework of its dimensions and a reliable, valid scale for measuring these dimensions. A sophisticated consumer is an individual who is able to handle information efficiently, has knowledge and experience in the relevant product category, likes to share experience with others, and uses products to project self image.

CONSTANCE ROSSUM
“Collaboration Lifecycles: A Critical Analysis of ‘Successful Strategic Alliances’ Between Businesses and Nonprofits”

ABSTRACT: This paper outlines the five strategic alliances between business and nonprofits asserted by Harvard Professor James Austin and the Drucker Foundation in 2002 to be “successful,” provides updates on the status of each of these five based on personal interviews with several alliance principals, reports that three of these alliances have failed, and concludes by cautioning against the continued promotion of these “award-winning case studies” in collaboration by training programs and in university classrooms, when their authors and promoters have failed to update their conclusions.

CAROL SAWYER and KATHY DUNCAN
“Perceptions and Recommendations: An Ongoing Analysis with Implications for a Graduate Curriculum”

ABSTRACT: The online 360 degree assessment, Leadership Practices Inventory (Kouzes and Posner, 2003), provides an opportunity to better understand leadership behaviors and business knowledge areas where ULV graduate students need further development. Both MBA and MSLM students work with this tool; initial data from an ongoing study will be shared.

VIRGIL SMITH
“Cognition As A Reflection Of Social Reality: An Extended Realist Model”

ABSTRACT: A realist ontological model is proposed which explicitly includes human cognition and action attempts. What nominalists call constructed reality is considered a reconstruction of the external reality. The individual directs perception attempts in order to make sense of the environment, resulting in a cognitive map, which is a reconstruction of the external world. While the reconstruction is inevitably inaccurate, the individual bases his or her actions upon the reconstruction, not the world itself. Thus, a series of actions are undertaken which may prove, in hind sight, to be unwise. Understanding the types of influences inherent in the construction of a perceptual cognitive map can help individuals and managers correct many incorrect assumptions.

YVONNE SMITH
“Unquestioned Assumptions and the Protestant Work Ethic”

ABSTRACT: Every discipline has assumptions about key constructs. If the assumption is distorted, research utilizing this assumption will also be distorted. This paper addresses one of the foundational constructs in organizational studies, the Protestant Work Ethic (PWE) which argues that work is ennobling and necessary for human development. The values of the PWE underlie many organizational theories. However, there are demonstrable methodological and historic difficulties with this work value. The paper discusses those difficulties,
explores some of the reasons for them, and shows one possible historical path for their
development. It also explores implications and makes suggestions for researchers.

RITA THAKUR
"Glass Ceiling in Academia: Gateway courses; Can it be Cracked?"
ABSTRACT: The academy contributes in fundamental ways to the lives of the more than thir-
ten million students enrolled annually in degree granting programs, and more generally to
the cultural, intellectual, and economic vitality of our society. Data demonstrate that it is not
inclusively distributed (Ruben, 2004). There is a disconnect between diversity and educa-
tional excellence. This study demonstrates ULV's efforts to confront this challenge without
lowering academic expectations in core and gateway courses in the undergraduate curricu-
rum. It is believed that students doing well in key courses will have higher probability of
reaching their full potential in the business program, develop more self-confidence, be more
willing to reach for graduate education and set higher professional goals after graduation.

PUBLIC AND HEALTH ADMINISTRATION:

JOAN BRANIN
"Costs and Effects of Elder Caregiving on Work Life, Health and Well-Being of
Working Caregivers"
ABSTRACT: The purpose of this study was to explore (1) the costs and effects of elder care-
giving on the work life, health and well-being of working caregivers and (2) the differences
among White, Black and Latino working caregivers in caregiving skills, caregiver burden,
caregiver self-efficacy, and caregiver rewards as well as the effects of caregiving on work
life, health and well-being. A total of 276 working White, Black and Latino adults were sur-
veyed who were currently providing care for an older adult. The results suggest that an
increasingly diverse workforce might have differing needs for caregiver supports. Programs
that raise the levels of knowledge, skills and self-efficacy may reduce the caregivers' burden
and increase the caregivers' feelings of rewards.

JOAN BRANIN, HARRIET ARONOW, and HILARY SIEBENS
"Specialist Physician Clinics in the Rehabilitation Continuum: Preliminary
Results of the Evaluation of an Innovative Model of Care Delivery"
ABSTRACT: The purpose of this study was to explore (1) the costs and effects of elder care-
giving on the work life, health and well-being of working caregivers and (2) the differences
among White, Black and Latino working caregivers in caregiving skills, caregiver burden,
caregiver self-efficacy, and caregiver rewards as well as the effects of caregiving on work
life, health and well-being. A total of 276 working White, Black and Latino adults were sur-
veyed who were currently providing care for an older adult. The results suggest that an
increasingly diverse workforce might have differing needs for caregiver supports. Programs
that raise the levels of knowledge, skills and self-efficacy may reduce the caregivers' burden
and increase the caregivers' feelings of rewards.

JACK MEEK
"Partnerships in Metropolitan Governance: An Adaptive Systems Perspective," in
ABSTRACT: As metropolitan areas continue to evolve, they become more complex. A new
pattern of governance can be identified that can be viewed as an adaptive measure to
address social concerns unmet by current jurisdictional governmental structures. Drawing
upon complex adaptive systems literature, this paper examines one form of organizational
adaptation: sub-regional collaboration. While relatively new, sub-regional associations have
made significant strides in coordinating a wide variety of local entities in order to achieve
remarkable collective outcomes. It is argued here that such outcomes are more than sim-
ple calculations of rational strategies of individual actions achieved through collaboration;
they represent an adaptive element that is representative of behavior in complex systems in
general, and complex metropolitan environments in particular.
JACK MEEK, JOE DE LADURANTEY, and WILLIAM H. NEWELL
“Complex Systems, Governance and Policy Administration Consequences,”
Abstract: This paper combines insights from literatures on complex systems theory and
the conjunctive state, applies them to new challenges facing public administrators in metropoli-

tan areas, and tests them in a case study of the Peace Officers Association of Los
Angeles County (POALAC). The argument is advanced that administrative networks, shared
governance, and co-production of public services developed in the conjunctive state are
real-world exemplars of the emergent properties of complex adaptive systems (CAS). As the
production of social capital and public trust of government decline in response to the increas-
ing inability of hierarchical, top-down, command-and-control institutions to solve complex
societal problems, the fundamental nature of associations and relations among citizens, pol-

cy makers, civic leaders and government is changing in metropolitan areas as government
slowly shifts towards governance. The case study of POALAC reveals a coordinated net-
worked administrative response to the complexity of regional law enforcement consistent
with theoretical predictions.

COLLEGE of EDUCATION and ORGANIZATIONAL LEADERSHIP

EDUCATION:

MARIA GRANDONE
“A Leap Into La Verne: Bridging the Gap through Academic Excellence. How
do First Generation College students at ULV measure up? A comparison study
examining students’ aspirations, perceptions of ability, & academic achievement”

ABSTRACT: The study examined how first generation students at ULV compare with non-
first generation students in regards to future aspirations and perceptions of ability. In addi-
tion, it investigated how their aspirations and perceptions correlate with academic achieve-
ment as measured by self-reported GPA. Results indicated first generation students appear
more ambitious but do not necessarily seek out more academic support.

MARGA MADHURI
“Equal is Not Always the Same: Comparing Scripted and Nonscripted
Instruction in First Grade Classrooms”

ABSTRACT: This study examined first grade reading instruction in classes that used either
a scripted or nonscripted application of the same state-adopted reading program. The
research group included seven first grade classrooms, with experienced teachers, in schools
that exceeded the state average of students classified as English Language Learners and
students who received free/reduced meals. Data included field notes, a reading attitude sur-
vay, a reading comprehension assessment, and student interviews. Results indicated that
there were no significant differences between students’ reading comprehension as a result
of the type of instruction. However, there were small but statistically significant differences in
students’ attitudes towards reading, and qualitative differences in the types of classroom
instruction they received. These data suggest that although the type of reading instruction
first graders receive may not affect their reading abilities, it may affect their attitudes and
motivation towards reading.

JAN PILGREEN and NANCY WALKER
“Comprehension and Motivation Gains for ULV Literacy Center Children”

Abstract: We just completed a study with ULV Literacy Center tutees as experimental sub-
jects and local school children as the control group to see if children in the center were mak-
ing stronger gains in comprehension and motivation than the children who did not have ULV
tutoring. The data from this first study indicated that ULV tutees made one year of growth in
comprehension for each 10-week term in the program, while controls made 2 months of
growth for the same period. Motivation also increased in the experimental group more than
it did for the controls. All results were statistically significant. We are beginning Round 2 of the study with 50 Literacy Center children and 50 control group children to study the effectiveness of the center tutorial program. The projected length of Round Two is one year.

AMBRO RODRIGUEZ
“Traveling Through Literature: A Home-School Partnership”

ABSTRACT: Do schools encourage parent involvement to enhance literacy achievement? This study discusses the significance of a literacy partnership between home and school that will enhance reading development of first grade students. In order for this to have a strong impact on achievement, it is the role of the school to provide the necessary support and instruction for parents of not only struggling readers, but of those that need to be challenged. The paper focuses on 40 first-grade parents who participated in a survey relating to their views on parent involvement and the support provided to them by the school. Results from the stepwise regression indicated that four significant factors influenced parent involvement at school.

REGINA SCHAEFER

ABSTRACT: Using a Delphi study process this study sought to identify the strategies which experts believed to be most important in supporting California K-12 public school employees who were involved in elder care to maintain personal/work life balance. The items found to be of greatest importance were offering flexible work hours, offering reduced hours with benefits, and combining sick days, vacation, and paid personal leave time to be used flexibly.

ORGANIZATIONAL LEADERSHIP:

THOMAS HARVEY (MEMBER OF ULV ACADEMY) and BONITA DROLET

PATRICIA WHITE, THOMAS HARVEY, and LAWRENCE KEMPER
The politically intelligent leader: dealing with the dilemmas of a high-stakes educational environment (2007)

COLLEGE of LAW
(for full details see Law’s Faculty publications 2005-Present (2007))

CHARLES DOSKOW
“Jose Padilla and Due Process of Law,” 19 St. Thomas L. Rev. 199 (Winter 2006)

CHARLES DOSKOW and DIANE KLEIN

CHARLES DOSKOW and KEVIN MARSHALL

DON DUNN (MEMBER OF ULV ACADEMY)
“A Tribute to J. Myron Jacobstein,” 97 Law Libr. J. 642 (Fall, 2005)
SUSAN EXON

DONNA GRESCNER

JOHN LINARELLI (MEMBER OF ULV ACADEMY)
“When Does Might Make Right? Using Force for Regime Change (work in progress)
“What Do We Owe Each Other in the Global Economic Order?: Constructivist and Contractualist Accounts,” 15 J. Transnat’l L. & Pol’y 181 (Spring, 2006

ASHLEY LIPSON
“Know Your Testimonial Objections,” 41-JUL Trial 70 (July, 2005)
2007 Supplement for Documentary Evidence (Matthew Bender, Lexis/Nexis)
2007 Supplement for Demonstrative Evidence (Matthew Bender, Lexis/Nexis)
2007 Supplement for Is It Admissible? (James Publishing)
2007 Supplement Guerrilla Discovery (James Publishing)

ASHLEY LIPSON, KEVIN MARSHALL, and PATRICK FITZGERALD
“Tort Reform and Class Action Litigation in the States: A Review of State Law

Faculty Research Day Brochure, November 8, 2007 — 17

JUANDA DANIEL


JUANDA DANIEL and KEVIN MARSHALL


DIANE KLEIN


KEVIN MARSHALL (MEMBER OF ULV ACADEMY)


The Economics of Antitrust Injury and Firm-Specific Damages (editor; forthcoming)

Measuring Loss in Catastrophic Injury Cases (edited with Thomas Ireland)

(author of Preface, Chapter 1, and Chapter 8) (2006)


IRVING PRAGER and KEVIN MARSHALL

“Examination of Prior Expert Qualification and/or Disqualification – (Questionable Questions Under the Rules of Evidence),” 24 Rev. Litig. 559 (Summer 2005)

DIANE UCHIMIYA

Formal recognition of
Young Scholars Achievement Award recipients for 2007
Jeffrey P. Kahan and Kenneth H. Marcus
in recognition of exemplary scholarly research & publication
will occur at
12:00 Noon in Wilson Library

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  * Christine Broussard (1) • Jeffery Burkhart (2)
  * Dan Campana (9) • Gabriella Caprarou (8) • David Chappell (7)
  * Adham Chehab (8) • Alfred Clark (6) • Gary Colby (9)
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