

News and information
for UCLA graduate students

Q Graduate Quarterly

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“Postdoctoral scholars are unsung heroes of our remarkable biomedical research accomplishments. They are at a stage when they are commendably trained and are enthusiastically pursuing research objectives.”

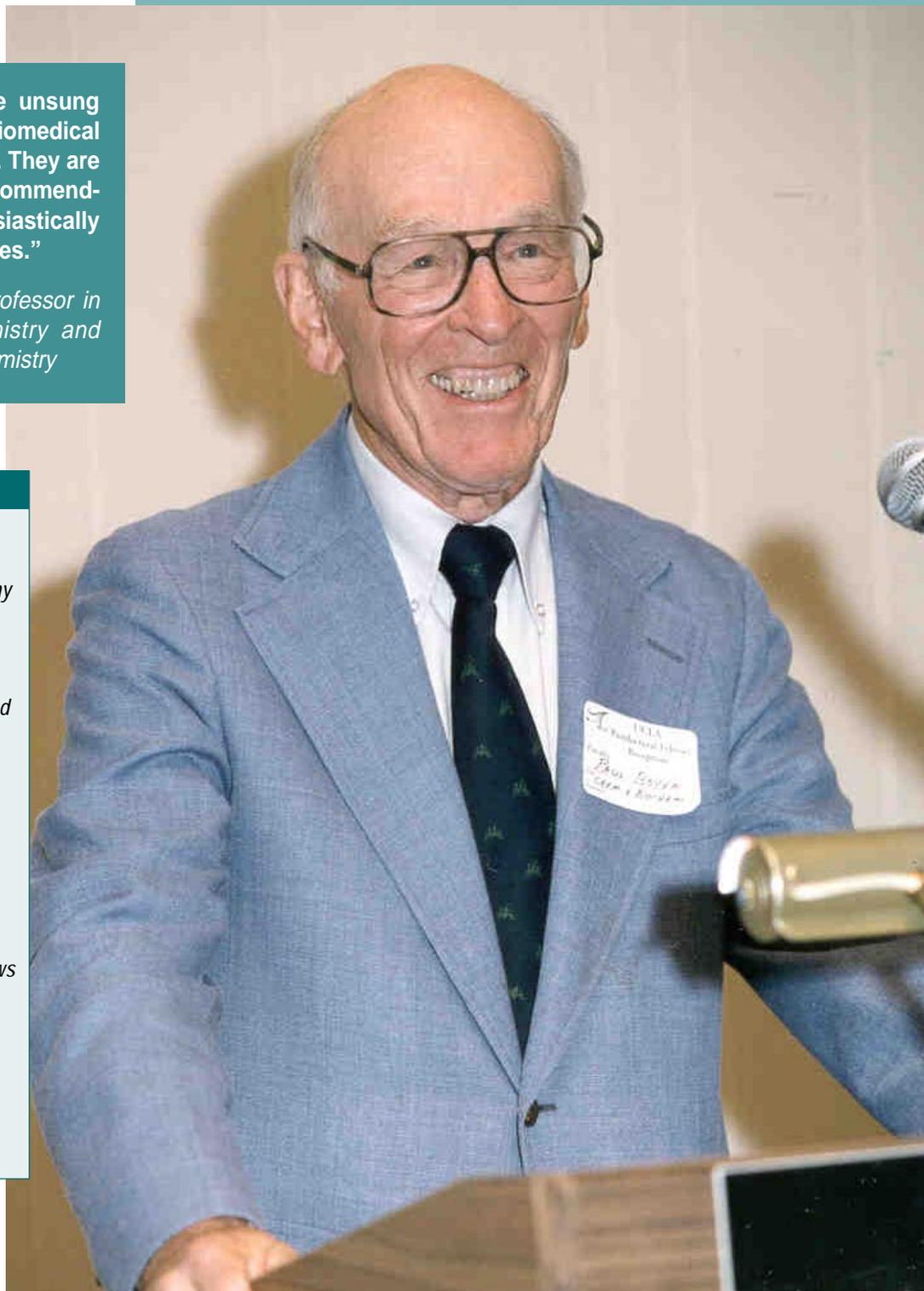
Dr. Paul Boyer, UCLA Professor in Chemistry and Biochemistry and Nobel Prize winner in chemistry

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Entering Graduate Students
Welcomed at Chancellor's
Address



Dear Graduate Student,

This issue of the *Graduate Quarterly* departs somewhat from our usual editorial content in its focus on postdoctoral scholars. I would like to take this opportunity to share with you some of the reasons why we believe this information would be of interest to many graduate students, and relevant to graduate education in general.

Each year at UCLA, there are approximately 1,000 registered postdocs on campus. Most are recent doctoral recipients from other universities who stay at UCLA from two to five years working with designated faculty on research projects of common interest. They come from all over the world and many are international scholars who may have received their doctoral degree either in the U.S. or in another country. Postdocs are represented in nearly all disciplines although the majority are in the laboratory sciences, with the largest numbers involved in biomedical research.

Our placement data reveals that many recent UCLA PhDs go directly to a postdoctoral training position. For example, of the 2,204 PhDs awarded from Winter 1994 to Spring 1997, 456 (21%) had accepted a postdoctoral training position within a year of receiving their degree. The numbers of UCLA students pursuing postdoctoral training varies widely by discipline (e.g., 63% in the academic health sciences; 49% in the physical sciences; 46% in the life sciences; 7% in public policy and social research; 6% in engineering; 5% in the social sciences, 3% in the humanities, etc.).

Postdoctoral scholars often play an important role in graduate education. They work closely with graduate students on research projects, assist faculty in training their graduate students, and many function as significant mentors and role models for their graduate student colleagues.

Issues relating to the postdoctoral training position are also an important consideration in evaluating the PhD job market. There is some concern, for example, that time spent in postdoctoral training status has increased in recent years and that this reflects diminished employment opportunities both in academe and the private sector. Surveys of postdocs themselves, however, suggest that the overwhelming majority are in the position by choice, not because other employment was unavailable. A related concern is that since postdocs are in a rather anomalous category (not faculty, not students, not staff) that they may not receive appropriate services, benefits and recognition from the universities with which they are temporarily affiliated. The materials included in this issue of the *Graduate Quarterly* reflect UCLA's efforts to begin addressing some of these concerns.

Sincerely,



Claudia Mitchell-Kernan
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quote for thought

Among all the interactions between faculty members and their advanced students, one kind of conflict is particularly pervasive and troublesome. It involves the very stuff of scholarship itself: data, ideas, experiments, theories. The questions that lie at its heart also lie near the heart of scholarly enhancement and prestige: Who thought of it? Who thought of it first? Who did the work? Who should get the credit?

In thirteen years as the court of last resort for academic grievance appeals at a research university, I encountered more difficult, passionately contested complaints in this area than in any other.

Donald Kennedy. Academic Duty. Harvard University Press, 1998, p. 98.

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News

Entering Students Welcomed
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Dr. Paul Boyer, UCLA Professor in Chemistry and Biochemistry and Nobel Prize winner in chemistry, addresses postdoctoral fellows and faculty at the first annual UCLA postdoctoral fellows reception and awards ceremony.

*Photograph by Todd Cheney
ASUCLA Photography*

Unsung Heroes of Research

UCLA postdoctoral fellows honored at first annual awards ceremony and reception

"Postdoctoral scholars are unsung heroes of our remarkable biomedical research accomplishments. They are at a stage when they are commendably trained and are enthusiastically pursuing research objectives."

Dr. Paul Boyer, UCLA Professor in Chemistry & Biochemistry and Nobel Prize winner in chemistry

In recognition of these "unsung heroes," on November 5, 1998 Chancellor Albert Carnesale and Vice Chancellor and Dean Claudia Mitchell-Kernan hosted the first annual reception and awards ceremony for UCLA postdoctoral fellows. The event, held in the California Room of the Faculty Center, included the conferral of the newly-established Chancellor's Award for Postdoctoral Research to five distinguished recipients. In addition to Vice Chancellor Mitchell-Kernan, other event co-sponsors were Brian Copenhaver, Provost of the College of Letters and Science, Wyatt Hume, Executive Vice Chancellor, Gerald Levey, Provost of Medical Sciences and Dean of the School of Medicine, C. Kumar Patel, Vice Chancellor for Research Programs and A.R. Frank Wazzan, Dean, School of Engineering and Applied Science.

The 1998 award recipients honored at the ceremony were Shannon Daley, Psychology; Beth Dreyfuss, Chemistry and Biochemistry; Lian Li, Chemical Engineering; Francisco Raymo, Chemistry and Biochemistry; and Zhi-Ming Shao, Pathology and Laboratory Medicine.

Each of the Chancellor's awards is accompanied by a \$3,000 cash prize. A selection committee composed of faculty and academic administrators reviewed the qualifications of 30 candidates nominated by faculty. The committee evaluated such factors as creativity, productivity and impact on the field of research.

In his remarks, Chancellor Carnesale indicated his pleasure and pride in bringing together postdoctoral fellows, faculty mentors and administrative leaders of the academic programs "to honor the important achievements and contributions of UCLA's 'postdocs.'" The Chancellor emphasized the



Vice Chancellor and Dean Claudia Mitchell-Kernan (far right) converses with postdoctoral fellows at the reception in their honor.

vital role of postdoctoral fellows in UCLA's missions of teaching, research and public service and the need to make sure their accomplishments are recognized by the broad campus community.

Vice Chancellor Mitchell-Kernan said the reception and awards ceremony is "a campus-wide expression of appreciation to a group of colleagues who often toil beyond the immediate field of vision of the broader community but whose work continues to be instrumental in maintaining UCLA's stature as a premier research university."

Following remarks by several of the other event co-sponsors, including Executive Vice Chancellor Hume, who noted that he first came to UCLA as a 'postdoc,' Chancellor Carnesale introduced Dr. Paul Boyer, Professor in the Department of Chemistry and Biochemistry and winner of the Nobel Prize in chemistry. Dr. Boyer contributed \$75,000 of his Nobel Prize money to UCLA, to endow a Postdoctoral Recognition Fund to annually recognize excellence in research in biochemistry and/or molecular biology. In addition, other portions of the prize money were donated to the Universities of Wisconsin and Minnesota. Dr. Boyer hopes these awards "will stimulate other ways of providing professional and financial recognition for our postdoctoral scholars."

Following the conferral of awards, participants and guests enjoyed refreshments, and entertainment provided by the UCLA String Quartet.

By Daniel J. Bennett

Photo by Todd Cheney, ASUCLA Photography

Distinguished Scholars

Recipients of the first annual Chancellor's Award for Postdoctoral Research recognized for their contributions

Shannon E. Daley

Psychology

Shannon Daley has been involved in an ongoing in-depth study of 155 women, following them from age 18 into young adulthood to see how depression and other psychopathology interacts with stress in their lives. Introduced to this research as a UCLA graduate student in psychology, she has had a substantial impact on its direction as a postdoctoral fellow. Dr. Daley has “established herself as someone so capable and clear-thinking about complex issues that I often call upon her ideas to help me resolve theoretical or statistical questions,” says her sponsor, Dr. Constance Hammen.

It was Dr. Daley who decided to look not only at depression but also at personality disorders, which are permanent features of the personality that may cause difficulties in relationships. An example is called borderline disorder. People with this personality type experience intense and rapid mood swings, leaving friends and family struggling to react appropriately.

Dr. Daley found that there was a strong relationship between personality disorders, depression, and life stressors. For example, young women who demonstrated these psychological problems at age 18 had a 40% chance of reporting an abusive relationship over the next few years. They also experienced an inordinate number of unwanted pregnancies.

Although Dr. Daley's work does not involve clinical treatment, her findings may inspire others to look at providing treatment for depression and personality disorders early in adolescence. Most women are 15 to 19 years old when they first report serious depressive symptoms.

Dr. Hammen also remarked on Dr. Daley's mentoring of graduate students. “It is clear that the junior students greatly admire and appreciate her level of professionalism and approachability.” To Dr. Daley, all this is just returning an old favor. “When I was a graduate student, there was a postdoc on the project who really helped me with the nitty-gritty, nuts and bolts stuff you don't want to bother your adviser about,” Dr. Daley says. “I think the postdoc provides a nice bridge there.”

Dr. Daley urges graduate students to find a subject that they are really interested in, to motivate them through the detail work that is involved in most research. She also recommends being strategic. “Most postdoctoral fellowships last for a few years at most,” she says. “You need to think about what you can get out of it in that time.”

One of the offbeat accomplishments of her postdoctoral years is that she and her husband learned swing dancing. “You have to have a life,” she says. “If you don't replenish yourself, you won't be productive.”

Enjoying both research and teaching, Dr. Daley is now looking for an academic position.

Beth Welty Dreyfuss

Chemistry and Biochemistry

Beth Dreyfuss has been looking at how cells make protein, particularly the final process, when cells bring proteins and co-factors together for synthesis. The proteins that interest her are involved in breaking down foods and in photosynthesis, using and creating energy. Although she's studying plants, the proteins are common in other life forms, and so her research could have wider implications. “Once you understand a general cellular process, you can often make a lot of implications about how it might be going on in another organism” she says.

Always interested in plant biology, Dr. Dreyfuss was drawn to UCLA for her PhD work by a group of researchers which had a grant to study plant molecular biology. Although she stayed at UCLA as a postdoctoral fellow, she is well-traveled, attending international and regional meetings in her subject area. “Once you know people – personally have met them – it's certainly a lot easier to establish a collaboration or just to pick their brains. It makes the scientific community smaller, once you get out there and meet people.”

Among her travels was a three-month stay in Geneva with Jean-David Rochaix, a leading researcher and pioneer in the field of plant molecular biology. She returned to UCLA with a repertoire of new techniques for Sabeeha Merchant's laboratory. “Thanks to her, they are now not only routine but they are rather an indispensable tool for

many of the projects in the group,” Dr. Merchant says.

The group includes graduate students. Although there are elements of mentoring involved, Dr. Dreyfuss sees graduate students mostly as coworkers. “You're sort of in between the principal investigator or the professor and the graduate students,” she says. “You're peers with both sets.”

The negative part of being a postdoctoral fellow is the “finite amount of time” you have to produce results, Dr. Dreyfuss says. On the other hand, you have the “wonderful luxury” of being able to focus completely on research, without the distractions of teaching or taking classes, handling administrative duties, and writing grant proposals.

Still, Dr. Dreyfuss wants to teach: “She has the ability to present concepts clearly,” Dr. Merchant says, “and she is patient with students in the classroom and in the laboratory environment.” Dr. Dreyfuss is interested in teaching at an undergraduate institution like her alma mater, Kenyon College.

An experienced ocean swimmer, Dr. Dreyfuss used to swim regularly. Although she swam through her pregnancy, her child's infancy, and now toddlerhood, have kept her somewhat land-bound.

Lian Li

Chemical Engineering

Lian Li is working on research that may eventually advance the fabrication technologies for materials called compound semiconductors, which are used to make a range of indispensable items, from cell phone transistors to traffic lights.

Using a method called metalorganic chemical vapor deposition (MOCVD), Dr. Li and others working in the laboratory of Robert F. Hicks are learning how to improve and make new materials out of two or more elements from group III (Al, Ga, and In) and group V (N, P, and As). Such materials might make cellular phones work longer and weigh less. A traffic light using a compound of gallium nitrides could glow for 100 years, instead of a few thousand hours. In addition to saving maintenance costs, this new technology could also save energy.

After receiving his PhD in physics from Arizona State University, Dr. Li was a postdoctoral fellow at Tohoku University in Sendai, Japan, when he saw an advertisement that Dr. Hicks had placed in a journal. Besides finding the projects interesting, Dr.



Recipients of the first annual Chancellor's Award for Postdoctoral Research: (left to right) Zhi-Ming Shao, Lian Li, Shannon Daley, Beth Dreyfuss, and Francisco Raymo.

Li thought he was just the right person to meet Dr. Hicks's needs.

First of all, Dr. Hicks was looking for someone to provide his laboratory with a capability for *in situ* scanning tunneling microscopy of materials grown by MOCVD. Within several months of his arrival in 1996, Dr. Li "was generating beautiful images of the atomic features on GaAs(001) surfaces," says Dr. Hicks, adding that his group is so far the only one in the country to achieve success with this project.

Dr. Hicks was also looking for someone to provide leadership to the graduate students working in his laboratory. Dr. Li's "many ideas and exceptional achievements have drawn my graduate students into collaborating with him," Dr. Hicks says. "These students are learning a great deal from Lian. . . . As a result of his mentoring, the students' productivity has exceeded my expectations, and I am enjoying all the scientific discoveries that the group is making."

From Dr. Li's point of view, his relationship with Dr. Hicks has been among the positive elements of being at UCLA. "I have a lot of freedom to do research," he says. "I can tell him I have this idea in my mind and I want to develop this project. Most of the time, he's supportive."

Dr. Li also enjoys helping students "develop research projects and review their progress," offering them the benefit of his experience and the knowledge base he has acquired. "We enjoy working together," he says, "and I benefit too because my professional goal is to become a professor. Closely supervising students is an important part of the job. I am enjoying doing that."

Francisco Raymo

Chemistry and Biochemistry

Francisco Raymo has influenced the future course of chemistry while still in his twenties – and while working as a postdoctoral fellow at UCLA – making profound contributions in both experimental and theoretical understanding of the nature of the mechanical bond.

At the end of 1996, Dr. Raymo spent a month working with K. N. Houk, a world leader in computation chemistry. A particular class of interlocked molecules (called rotaxanes) are made up of a macrocyclic component encircling a dumbbell-shaped component. Using computational methods, Dr. Raymo modeled how these molecules are assembled and disassembled. Besides the theoretical contributions to research of his finding, his approach is likely to become a teaching exercise for courses in computational chemistry. Later, he developed computational strategies for understanding other mechanically interlocked molecules (called catenanes), in which macrocyclic components are linked to each other.

In 1997, he returned to UCLA as part of the research cohort accompanying J. Fraser Stoddart, formerly of the University of Birmingham in the UK. Working with Dr. Stoddart but in frequent collaboration with Dr. Houk, Dr. Raymo is continuing his study of the structural and electronic properties of catenanes and rotaxanes. He is interested in two topics involving these molecules in modern chemical science: Is it possible to construct molecule-size chains of mechanically linked components? Is it possible to design and construct molecule-size machines that can be controlled from

the outside? Dr. Raymo's experiments have provided a positive answer to the first question, and he is making progress on accomplishing the second. "These discoveries will have a tremendous impact on the technology of the next century," says Dr. Stoddart. "I can only speculate that if he maintains and sustains the present quality and quantity of his scientific output in the years to come, then in 20 years (or even less), colleagues will be nominating him for the Nobel Prize in Chemistry."

Dr. Raymo has already made his mark on the international chemistry scene. His extraordinary performance as a PhD student at the University of Birmingham led to his selection by the European Commission as a Marie Curie Fellowship Success Story. He and his work are well-known to leading chemical scientists around the world. He has 62 publications, many of them in high-profile journals.

Delighted with his experience at UCLA, Dr. Raymo has no immediate plans to leave. "For numerous reasons, UCLA is the best academic institution among those where I have worked so far," he says. Dr. Raymo also remarks on the opportunities "to work with several very talented graduate students. Most of the results I have achieved at UCLA arise from fruitful and stimulating collaborations with these students."

Zhi-Ming Shao

Pathology and Laboratory Medicine

Zhi-Ming Shao became interested in breast cancer when he was a resident in surgical oncology at Shanghai Medical University's Cancer Hospital. Among the journal articles he read were some that reported work in the pathology laboratory of Sanford H. Barsky at the UCLA School of Medicine. Dr. Shao contacted Dr. Barsky, and their contacts resulted in a postdoctoral fellowship for Dr. Shao, which began in 1997.

The researchers in Dr. Barsky's laboratory are interested in breast cancer metastasis: how the cancerous cells spread through the body. Dr. Shao helped to advance the laboratory's work in research on the myoepithelial cell. When cancer begins, a layer of myoepithelial cells lies between cancerous cells and normal cells. This layer is breached as breast cancer progresses. When researchers know how that happens, they may be able to prevent it.

Continued on next page

Postdoctoral Awards

Continued from page 5

Dr. Shao also came to UCLA with a research interest of his own. It has often been observed that Asian women experience much less breast cancer (and death from breast cancer) than women in the United States and other Western countries. Because Asian women also eat more soy products—Chinese women eat 20 to 50 times as much soy as American women—a connection has been hypothesized. Dr. Shao decided to examine this relationship.

He found that genistein, a natural phytoestrogen found in soy, tends to suppress breast cancer, both in laboratory experiments and in women, and he has begun to describe the multiple ways in which this happens. His work was published in the November 1998 issue of *Cancer Research*, a journal that has considerable influence in the field. For now, Dr. Shao's work will have a significant effect on drug treatments designed to prevent breast cancer. In the future, he hopes his research will help to treat women who have already been diagnosed.

"It is unusual for a mentor to encourage you to work on your own project," Dr. Shao said, "but Dr. Barsky did." Perhaps because of this model, Dr. Shao has gone out of his way to be helpful to other researchers in the laboratory, his mentor says. "Dr. Shao has worked unselfishly in assisting my other graduate and postdoctoral students in their research efforts," Dr. Barsky says, "even assisting other graduate students on papers he was not directly involved in as a coauthor."

The collegial relationships are part of what Dr. Shao describes as a "very good research environment" at UCLA. His work on genistein was a major collaborative effort between the Shanghai Medical University and UCLA and "will lay the groundwork for future collaborative studies between our respective institutions," Dr. Barsky says.

Dr. Shao is married to Qiao-Ling Li, a medical doctor who is conducting research in the microbiology of thyroid disease at the Cedars-Sinai Medical Center.

Profiles by Jacqueline Tasch

Photo by Todd Cheney
ASUCLA Photography



The "Postdoctoral Fellow"

The majority of postdoctoral fellows ("postdocs"), both at UCLA and at other major research universities in the United States, are science and engineering doctoral recipients who perform research and receive additional training under the mentoring of a senior faculty investigator. Some postdocs are paid from training grants and individual traineeships while the majority are funded from faculty research grants. In many biomedical and other fields, a period of postdoctoral training (also called a "postdoc") is all but required in order to secure a tenure-track faculty position.

In the humanities and social sciences, the term "postdoctoral fellow" often describes a different academic experience. For nonscientists, a postdoctoral fellowship, such as those offered by the Mellon or the Woodrow Wilson Foundations or UCLA's Institute of American Cultures, provides recent doctoral recipients with the opportunity to pursue independent research while receiving stipend support and remaining closely affiliated with a host department or institution's community of scholars.

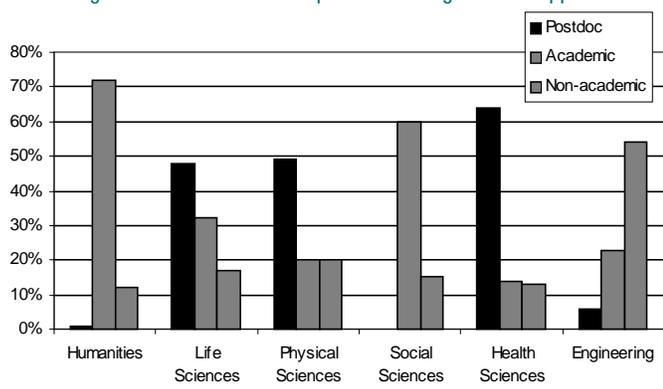
For More Information on Postdoc Appointments

- For more information about postdoctoral fellows at UCLA, visit the Graduate Division website at www.gdnet.ucla.edu

- The UC Office of the President offers the President's Postdoctoral Fellowship to UC doctoral recipients: www.ucop.edu/acadadv/fgsaa/f-contr.html

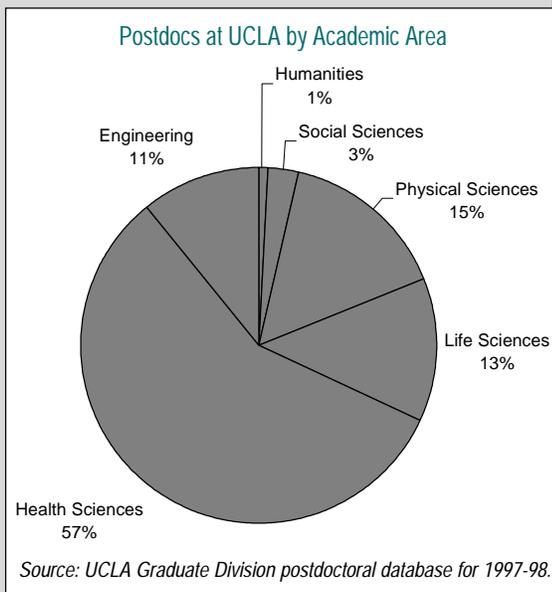
- The Graduate and Postdoctoral Extramural Support (GRAPES) database, maintained by the Graduate Division, features numerous opportunities for postdoctoral fellowships in a variety of disciplines: www.gdnet.ucla.edu/grpinst.htm

Percentage of UCLA Doctoral Recipients Pursuing Postdoc Appointments



Source: UCLA Graduate Division Doctoral Placement Study (1994-1997).

- The Association of American Universities, an organization representing America's major research universities, has published a report on the status of postdoctoral training in the United States. It provides specific recommendations for improving postdoctoral training, many of which are already in place at UCLA: www.tulane.edu/~aau/PostdocEducationReport.html



• *Science's Next Wave*, an online service of the American Association for the Advancement of Science (AAAS), has listings of positions and a wealth of up-to-date information about graduate and postdoctoral training in the sciences: www.nextwave.org

By Matthew Miller

Paul Apodaca

Folklore and Mythology

Paul Apodaca was a young boy when he was first introduced to the Cahuilla Indians of Southern California. His father, a Navajo Indian, often took Paul on long rides into the deserts east and south of their Orange County home, giving his son numerous opportunities to meet the people who were part of his cultural ancestry.

In January, Paul filed his dissertation on the Bird Songs of the Cahuilla Indians. Although they are called Bird Songs, they are not songs about birds or songs that imitate bird vocalizations. The name comes from Cahuilla mythology. According to their migration myth, the Cahuilla traveled three times around the world before settling into their homelands in what is now Palm Springs and the neighboring areas. As they traveled, they took note of the birds they saw and heard. Thus, the journeys were recorded in three Bird Song cycles, or groups of songs. Two of these cycles have been lost to time but Paul has had a large part in assuring that the last cycle will never disappear.

“UCLA has given me all of the academic resources to make the story of the Cahuilla Bird Songs something that would be important and credible for everybody,” Paul says. His master’s and doctoral work also provided “the final skills I have needed to be able to continue on this interesting path that the gods created for me from the time I was small.”

As Paul suggests, a colorful thread, now more than four decades long, connects his childhood experience with the most recent of his many achievements. The journey began in the mid 1950s, when the Apodaca family moved from Los Angeles to Orange County. His father made a habit of seeing that his son got to know “the people and places that were important to our collective histories,” Paul says.

As he moved among the various historical cultural communities in Southern California, he kept running into academic researchers tracking the same information he was seeking. Often drafted as an intermediary between the academics and the native people, Paul began to absorb the academic viewpoint, learn the professional vocabulary, and become familiar with the literature academics read. Eventually, the academics saw that Paul could “actually articulate these things in ways that are both culturally accurate and academically credible.”

He began getting invitations to lecture or make presentations at various cultural institutions in Southern California: the Southwest Museum, the Los Angeles Natural History Museum, the Bowers Museum—and UCLA, where he spoke to classes in the American Indian Studies program. The Smithsonian Institution brought him to Washington to learn techniques of musicological research. The California Arts Council funded his designation as an artist in residence at the Bowers.

In 1980 the Bowers Museum offered Paul full-time employment, and he accepted. “I thought if you could achieve something credible within an institution, you had a chance of influencing a larger segment of society,” he says. Among the many exhibits and presentations he was involved in during those years was an exhibit about Cahuilla music, which “turned out to be the first written accounting of this musical style,” he says, an achievement he found both exciting and depressing.



Having known the region’s Indian communities from childhood, he was “disappointed to see their music and other forms of culture being completely neglected by the outside world, and suffering because of that.”

Then, in one terrible winter in the mid-1990s, the three principal singers of the Cahuilla tribe became ill. Had they died, the entire musical tradition would have been lost. “I decided that it was time for me to write up what I knew,” Paul says. Helped by Paul and funded by grants from the California Arts Council and the Native California Network, members of the tribe recorded the songs and began to train new singers.

About that time, Judy Mitoma of UCLA’s Department of World Arts and Culture invited Paul to teach. There were some discussions of what he was working on, and everyone agreed it was a classic program of graduate research. Paul wrote an ethnography of the Cahuilla singers and their style for his master’s in arts degree, awarded through the American Indian Studies program. His PhD work has been done in the Folklore and Mythology program, with adviser Michael Owen Jones. A dedicated student, he was named Outstanding Graduate Student of the Year for 1995 by the UCLA Alumni Association.

“Along the way,” Paul says, “I evolved out of museums.” In 1984 Chapman University offered him a full-time position with flexible hours to accommodate his studies at UCLA. “The academic frame is my next evolution,” he says. He will also continue extracurricular activities. Over the years, Paul has been a consultant or board member for dozens of local, state, and national organizations. His work has brought him a wealth of honors, most notably the Smithsonian Institution’s Minority Museum Professional’s Award and a share in the Academy Award won by the documentary film, “Broken Rainbow”, for which Paul wrote the music.

Among his blessings he also counts his daughter, Vanessa, 26, a computer specialist at Filenet in Costa Mesa, and a son, Noah, 24, a student adviser at UC Irvine. Like his father before him, Paul did his best to share the richness of their cultures with his children. But times have changed. When he was growing up in the 1950s, people born in the 19th century were still available to talk about the old times. On the negative side, people of ethnicity were often routinely barred from public establishments, and ethnic minorities were marginalized.

“I’m glad my kids didn’t have that experience,” Paul says, even if they also missed out on some rich encounters. They have been able to “establish valuable lives within the contemporary world,” he says, while at the same time celebrating their cultural inheritance—along with people of many ethnicities. “When I was a kid, these were very quiet celebrations.”

The opening of institutional doors to people of many backgrounds had much to do with this change, Paul believes. Without multicultural studies, “people like me and the people I have studied would become invisible in the world,” he says, even though “we are an important part of human history. That’s one reason UCLA has stood by me for so long. They see that same value.”

UCLA also understands that multicultural studies benefit everyone. An upcoming project for Paul involves talking to one of the Cahuilla singers about folk medicine in the tribe. This knowledge will be added to the extensive folk medicine archives at UCLA, recently computerized with a grant Dr. Jones obtained from the National Institutes of Health.

“I’m really looking forward to Paul’s doing that study,” Dr. Jones says. “He does fantastic work.”

Michael Frishkopf

Ethnomusicology

When Michael Frishkopf set out for Egypt in 1992, he had a one-year Fulbright fellowship in hand and a rather loosely formed idea of what his PhD research would look like.

As a doctoral student in ethnomusicology at UCLA, Michael cast a wide net into the pool of departmental resources. In class, he studied Arabic music and aesthetics, and conducted a psychological experiment examining some of the perceptual factors in musical experience. Outside of class, he played Indian, Arabic, Japanese, and African music, Javanese and Balinese gamelan (an ensemble of bronze gongs), and experimental music with an improvisational group.

As the time for fieldwork drew nearer, he found himself more and more attracted to Egypt, especially music of the Sufis, mystics of Islam. At the same time, he became curious about the relationship between the aesthetic experience, the mystical experience, and the creative act. Michael surmised that “the aesthetic experience somehow focuses the mind in a way similar to what mystics are supposed to do.” Of course, a pure mystical experience would at some point leave the sensory behind, but nevertheless, he saw a connection. “What was interesting to me was the role of emotion in religious practice, and the role of music in creating that emotion,” Michael says.

With this conceptual framework, and using Sufism as an ethnographic case, Michael began a rather serpentine progress toward his dissertation under the guidance of his graduate adviser, Dr. Jihad Racy. Recently, he returned to UCLA with the dissertation in hand, a study that compares three Egyptian Sufi groups by examining the differences in the language performance which is central to each group’s religious ceremony: chanting, prayer, and performances of *inshad* (religious hymns).

Besides describing each order’s ritual in some detail – how participants use words and sounds, how they organize themselves in space, who is controlling and leading, and who is listening and following – Michael also examined each order’s relative success in modern Egyptian society.

“Sufism has declined dramatically in the 20th century,” Michael says, but some new orders have been able to draw substantial numbers in urban areas, where traditional Sufi orders are often on the wane. These newer orders control ritual resources – such as *inshad* – in part as a means of assuring social cohesion and religious respectability.

But if Michael’s work in Egypt were the proverbial iceberg, his dissertation would represent only its tip. When he arrived in Cairo, Michael found that despite years of course work, “my Arabic was not nearly good enough to do what I wanted to do.” While he was working hard with a tutor to learn the language, he took some classes at the Music Conservatory and began attending Sufi rituals. He was drawn to the *zikr*, a mystical ceremony in which participants



chant the names of God, with or without musical accompaniment, and he began “hanging out with musicians and singers.”

About the time his Fulbright ran out, Michael attended a *mawlid* or saint festival at the shrine of the 13th century Sufi poet, Ibn al-Farid. At the ceremony, Shaykh Yasin al-Tuhami, the most famous of the Sufi singers (*munshideen*), performed. “I couldn’t understand what he was saying,” Michael recalls, “but I felt it very intensely. I felt that I had to study this.”

Besides performing at *mawlids*, the professional *munshideen*—unlike those who are attached to a specific Sufi order—also sing at social events, such as weddings. With his growing circle of musical friends, Michael was able to see Shaykh Yasin and other Sufi singers perform on a regular basis. He even spent some time with Shaykh Yasin in the singer’s home.

With his PhD in hand, Michael is now returning to the material he gathered about Shaykh Yasin and the other professional *munshideen*, putting together projects to occupy his postdoctoral fellowship at the University of Alberta in Edmonton. For example, he is following the career of Shaykh Yasin, who has recently begun to perform abroad, to see what happens to the music as it reaches a wider audience. A colleague in Edmonton has studied *qawwali* of South Asia, offering Michael an opportunity to make comparisons between two different Sufi contexts and traditions.

Michael returned from Egypt with his former Arabic instructor. Now his wife, Iman Mersal is a well-known poet in the Arab world.

The chair of his department, Dr. Tim Rice, is more than pleased with the outcome of Michael’s work. As Dr. Rice points out, the research takes on added interest “against the background of growing Islamic fundamentalism in the Near East.” And in the course of his fieldwork, Michael “became rather well-known and respected within the world of Arabic poetry and music,” Dr. Rice says.

Although Michael is planning an academic career in ethnomusicology, it will probably be interwoven with other interests from childhood that have made repeated appearances. One is his love of music, and in particular, music composition and improvisation. Learning piano at an early age, he always preferred to create his own music rather than “to read the notes.” It was this interest that originally led him to the music of other cultures. “The Western classical music tradition doesn’t provide much creative freedom for the performer,” Michael says.

During high school and college, he studied with Ran Blake of the New England Conservatory of Music, who was interested in an improvisational synthesis of Western music with other traditions, what he calls “the Third Stream.”

Years later, after graduating with a degree in pure mathematics from Yale University and working for several years as a computer scientist, Michael began playing with an African drumming group. The leader of this group, a professor of ethnomusicology at Tufts University, persuaded him to take a master’s degree there.

After he finished the MA, he was ready for more. “UCLA had always been in the back of my mind,” Michael says, because of its decades-old leadership in the field, “and I really had my heart set on going there.”

He continues to be grateful for the rich musical experience and contact with interesting teachers that were part of his years on campus. “I only wish there could have been more time to explore more things.”

Laura Martin

Organismic Biology, Ecology and Evolution

While deciding on a field of graduate studies, Laura Martin, then a biology major at Duke University, came across a description of William Hamner's work at UCLA. An ornithologist by training, Dr. Hamner soon learned he was allergic to feathers. So for the past 18 years, Dr. Hamner and his wife, Peggy, have been "bird watching" underwater, studying a range of free-swimming animals, moving up the food chain from plankton to jellyfish to pelagic fish, mammals, and sea birds.

Laura came to Los Angeles for a meeting, and Dr. Hamner liked what he saw. Not only was Laura bright and hard-working, she was an athlete: a runner and a swimmer on the Duke swim team. To Hamner, a biology professor and director of the UCLA Marine Science Center, this suggested a couple of positive things.

"Her sports were focused on individual performance, and science is also an individual activity. I thought that attribute was interesting," he recalls. He also thought that her fitness and strength were well-suited to fieldwork in difficult terrains. Working together in Palau, they have to "hike over the top of a jungle ridge with all their gear" in order to reach the marine lakes where they work, Dr. Hamner explained. "She makes two trips while I make one."

An archipelago in the western Pacific, Palau has 70 marine lakes, porous limestone caverns filled with sea water not quite as salty as the ocean, where various creatures have become isolated from the rest of the animal kingdom. This isolation is what attracts many researchers.

Over the course of her graduate studies, Laura has spent more than two years on Palau, much of it at a lake with a large population of moon jellyfish. Moon jellyfish are found in coastal bays around the world, where they are rarely welcomed. Since jellyfish eat both the plankton eaten by fish larva and the larva themselves, they are often blamed for depleted fish populations. "People are interested in them because of that, and because they are an annoyance in a lot of places," Laura says, clogging fish nets and causing trouble in busy ports.

Laura set out to determine how much of this bad reputation – particularly for their supposedly huge appetites – was deserved. It was often noted that where a lot of jellyfish were found, there were few plankton, and vice versa. People assumed that this was because the jellyfish were eating all the plankton. Laura saw another possible explanation: When lots of jellyfish are around, the plankton have the good sense to hide out.

In fact, her studies show that – at least in one of Palau's marine lakes – plankton migrate up and down over the course of the day, staying out of harm's way. "This appears to be a way to coexist with jellyfish," Laura says, and certainly plankton who can do this would be more likely to survive – along with their genes – than other plankton.

Thirty years ago, scientists would have laughed at her suggestion that plankton could do anything with motivation. It was her mentor, Hamner, who first hypothesized that plankton have a rich behavioral repertoire, in the process opening up a new field of oceanographic research: on-scene observation of oceanic animals in natural settings.



Laura has also found complex behavior among the jellyfish, even though they have no brain. Jellyfish migrate, and they seem to prefer some foods to others. Jellyfish eat by filtering water with their tentacles and sending the catch upward into their stomach. Laura says she has "actually seen them exclude certain prey in favor of others." This observation was made in the laboratory, putting tiny jellyfish under a microscope and watching them eat and digest food.

But most of her work has been done at the lake in Palau, where Laura has built what she calls mesocosms – containers about a meter and a half in diameter and 20 meters high or long. In a container, the researcher can control the number of jellyfish

and the amount of prey and get an idea of how much jellyfish eat. But jellyfish being "a notoriously uncooperative animal," Laura has found that only smaller jellyfish are comfortable enough in the enclosure to make for a sound experiment. She'll compare her lab findings with her Palau research for an overall impression of the jellyfish. Meanwhile, her creation of this controlled environment in the middle of the wild has made its own contribution, Dr. Hamner, her adviser, says, providing a middle ground between the authentic observation of natural habitats and the scientific control of the laboratory.

Back in Los Angeles on a dissertation year fellowship, Laura may follow her PhD in biology with some work in women's studies. "Men's impressions of the world have carried over into their interpretation of primate behavior," Laura says. "When women came into the field, they said that's not what's happening." Looking at the marine sciences, Laura would like to explore whether gender has affected "the kinds of questions we ask and our ability to evaluate scientific problems."

Her studies at UCLA have also provided opportunities to try out other careers. In Palau, early in her fieldwork, she became a movie star. Laura and her work were featured in the IMAX film, "The Living Sea". That appearance brought her fan mail from younger women hoping to follow in her footsteps. One of them, Mariah Stark, spent several weeks on Palau with Laura, working under her supervision.

And UCLA's summer school program for high school teachers gave her experiences and information that she used in drafting a curriculum teachers can use in their classrooms to teach units organized around marine science. In doing so, she closes a circle – a 7th grade science teacher had a lot to do with her decision to pursue studies in biology.

When Laura was in college she considered high school teaching as a career. However, the attraction of the marine lakes in Palau remains strong. During her work there, she became the professional and personal partner of Michael Dawson, a UCLA graduate student in evolutionary biology. They hope to find support to continue their studies of these marine lakes and others like them around the world.

"Neither of us could work there without the other person," Laura says. "It's a pretty tough place to work. You need help."

Profiles by Jacqueline Tasch

Photos of Frischkopf and Martin by Susan Young

Scholarship/fellowship Income Tax Info for Graduate Students

U.S. and California State Tax Residents

Generally, the portion of your scholarship/fellowship income in excess of fee or tuition payments is taxable and you are responsible for reporting it on your tax return. UCLA does not withhold federal taxes or report any scholarship/fellowship income received by U.S. tax residents to the IRS, nor does it withhold state taxes or report scholarship/fellowship income received by California State tax residents to the California Franchise Tax Board (FTB). Because taxes are not withheld on taxable scholarship/fellowship income, some individuals receiving this type of income may be required to file quarterly estimated taxes with the IRS and/or the California FTB.

For more information on scholarship/fellowship income, please refer to the following forms and publications available on the IRS and California FTB websites:

IRS Forms & Publications

www.irs.ustreas.gov/prod/forms_pubs/

Form 1040-ES – Estimated Tax for Individuals
Publication 520 – Scholarships & Fellowships
Publication 505 – Tax Withholding & Estimated Tax

California FTB Forms, Instructions & Publications

www.ftb.ca.gov/forms/index.htm

Form 540-ES – Estimated Tax for Individuals

U.S. and California State Tax Nonresidents

The portion of your scholarship/fellowship income in excess of fee or tuition payments is generally taxable. However, some residents of countries which have tax treaties with the U.S. may be exempt from paying federal taxes on their scholarship/fellowship income.

U.S. tax nonresidents who received any scholarship/fellowship income will receive the IRS Form 1042-S, which reports this income and the federal taxes withheld on this income (if any).

California tax nonresidents who had California state taxes withheld on their scholarship/fellowship income will receive the California FTB Form 592-B, which reports only the taxable portion of this income and the California state taxes withheld.

For more information on scholarship/fellowship income and filing as a nonresident, please refer to the following forms and publications available on the IRS and California FTB websites:

IRS Forms & Publications

http://www.irs.ustreas.gov/prod/forms_pubs/

Form 1040-NR – U.S. Nonresident Alien Income Tax Return (instructions are also available)
Publication 519 - US Tax Guide for Aliens
Publication 520 – Scholarships & Fellowships
Publication 901 - US Tax Treaties

California FTB Forms, Instructions & Publications

www.ftb.ca.gov/forms/index.htm

Form 540NR - 1998 California Nonresident or Part-Year Resident Income Tax Return

Tax Relief Act of 1997

The passage of the Tax Relief Act of 1997 introduced a number of tax benefits for individuals who are saving for or paying higher education costs for themselves and/or members of their families or who are repaying student loans. The following is a listing of some tax benefits to graduate students which have become available as a result of the passage of this act, and some of the criteria which determine eligibility to take advantage of these benefits. For more detailed information regarding these and other benefits and how to claim them on your tax return, please consult the IRS Publication 970 – “Tax Benefits for Higher Education” – available on the **IRS website at www.irs.ustreas.gov/prod/forms_pubs/**.

The Lifetime Learning Credit

- For expenses paid after June 30, 1998 for academic periods beginning after that date, you may be able to claim a lifetime learning credit of up to \$1,000 for the total qualified tuition and related expenses paid. The amount of the lifetime learning credit is 20% of the first \$5,000 you pay for qualified tuition and related expenses. However, that amount may be reduced based on your modified adjusted gross income.
- There is no limit on the number of years which this credit can be claimed.
- The lifetime learning credit is phased out (gradually reduced) if your modified adjusted gross income is between \$40,000 and \$50,000 (\$80,000 and \$100,000 in the case of a joint return). You cannot claim this credit if your modified adjusted gross income is above \$50,000 (\$100,000 in the case of a joint return) or if your filing status is “married filing separate return”.
- UCLA will issue a Form 1098-T which reports the amount of qualified tuition you paid during the eligible period.
- Use the IRS Form 8863 (available at the website specified above) to calculate the appropriate lifetime learning credit you may take.
- If another taxpayer claims you as a dependent, you may not take this credit. However, the taxpayer that is claiming you as a dependent may be eligible to take the credit.

Student Loans

- You may be able to deduct interest you pay on a qualified student loan. This applies to loan interest payments due and paid after December 31, 1997. This applies even if you took the loan out before 1998.
- You can deduct only interest paid during the first 60 months that interest payments are required, regardless of when you took out the loan.
- This deduction is an adjustment to income, so you can claim it even if you do not itemize deductions.
- Your deduction for 1998 cannot exceed \$1,000. This limit will increase in subsequent tax years.
- You may not claim this deduction if your modified adjusted gross income is more than \$55,000 (\$75,000 in the case of a joint return).
- Your lender should issue a Form 1098-E to report the amount of interest paid on your qualified student loan.
- If your filing status is “married filing separate return,” or if another taxpayer claims you as a dependent you may not take this deduction.
- Forgiveness of a student loan in return for certain community service may be tax free.

NOTE: With respect to your individual tax situation, this summary information should not replace the advice of a tax professional and/or the IRS.

By Tom Deutsch

Career Pathways: A Unique Conference for Doctoral Students and Postdoctoral Fellows

UCLA's first-ever symposium for doctoral students and postdoctoral fellows to explore their career options outside of the academy will take place on **Saturday, April 10, 1999** from 10 a.m. to 4 p.m. at Covel Commons. The conference is intended for all UCLA doctoral students and postdoctoral fellows; the scientist as well as the humanist, the artist, and the social scientist.

The Graduate Division's ongoing study of doctoral career outcomes one year after graduation reveals that roughly 25% of our doctoral graduates – more in many fields – seek careers outside of the academy. This conference was designed in recognition of this and broader trends in academic employment.

Entitled *Career Pathways: A Unique Conference for Doctoral Students and Postdoctoral Fellows*, the career conference will join doctoral students and postdocs together with successful UCLA doctoral alumni who have established widely ranging careers outside of the professorate in a wide range of fields. Through a series of panels and keynote speakers featuring doctoral alumni, industry professionals, and career planning experts, students and postdocs will get tips on seeking employment inside and outside of academia and will learn about career options for doctoral recipients in a variety of industries and sectors.

The *Career Pathways* conference will be co-sponsored by the UCLA Career Center, the Alumni Association, and the Graduate Division. Following the *Career Pathways* conference, an assortment of workshops will continue to be offered to doctoral students by the experienced career planning experts of the Career Center. For more information on the conference, please refer to the UCLA Career Center's website at www.saonet.ucla.edu/career.

Campbell Student Book Collection Competition

Students are invited to enter the 1999 Robert B. and Blanche Campbell Student Book Collection Competition, which recognizes students who have assembled and organized book collections. A total of \$1,600 in prizes will be available in six categories: undergraduate collection, first and second place; graduate collection, first and second place; children's book collection; and honorable mention. The deadline for entries is **Wednesday, April 7**, at 5 p.m.; entry forms are available at the reference desks in the Arts, Biomedical, College, SEL/Engineering & Mathematical Science, and Young Research libraries. The awards ceremony will take place on Wednesday, April 21, at 3 p.m. in the Young Research Library Department of Special Collections. For further information, visit the competition website at www.library.ucla.edu/committees/campbell/index.htm.

CSW Graduate Student Awards

The deadline for fellowships offered by the UCLA Center for the Study of Women is **May 3, 1999**. For more information on the Jean Stone Dissertation Research Fellowship, the Paula Stone Dissertation Research Fellowship, the Constance Coiner Graduate Fellowship, the Mary Wollstonecraft Dissertation Award, and the George Eliot Dissertation Award, please refer to the CSW web site at www.csw.ucla.edu/csw/webfro~1.htm. Please submit all applications and nominations to: **UCLA Center for the Study of Women, 288 Kinsey Hall, Los Angeles, CA 90095-1504**. Questions should be directed to Dawn Waring, Assistant to the Director, at **310-206-5898**.

CSW also offers travel grants for UCLA students doing research on women and/or gender. These grants are for travel expenses related to research or presentation of a paper at a professional conference. Applications are available in the CSW office. Deadline for the spring travel awards is **April 23, 1999**.

Visit the Graduate Division's Newly Redesigned Website at www.gdnet.ucla.edu

Based on suggestions from students, admissions applicants, departmental survey results, and a variety of other sources both inside and outside of the University, the Graduate Division has redesigned the look-and-feel and enhanced the content of their web offerings.

Here are some of the highlights of improved features on the new site:

- A Publications and Forms library with print-quality Acrobat versions of most publications distributed by the Graduate Division. (A number of documents never before posted on the web has been added, so check it out. If you don't have Adobe Acrobat on your PC or Mac, there is a link to the simple instructions for downloading and installing it.)
- In the Publications and Forms Library, a tax information page provides Acrobat versions of all of the UCLA forms and IRS publications of interest to graduate students and postdoctoral fellows.
- A revised *Standards and Procedures for Graduate Study* document.
- "Academic Departments" are now a link directly from the home page for easier access to departmental websites. The information pages about each graduate program have also been reformatted. *Program Requirements* have been given a new look.
- Improved searching capabilities and new user-friendly contents page.
- A new "Campus Resources" page links to other student services, arts and culture, and general campus info.
- A "News" page, linked from the home page, replaces the bulletin board section.
- The *Graduate Programs Annual Report*, with statistics on all of UCLA's graduate programs, is now available online.

Graduate Student Accomplishments '98-99

This feature appears in each edition of the *Graduate Quarterly*. For inclusion in future issues, UCLA graduate students who have **recently** presented their work at conferences, written books, published articles in professional journals, or received extramural awards should send **complete** references to: Susan Young, Graduate Division, 1252 Murphy Hall, 141901 or syoung@gdnet.ucla.edu (e-mail is preferred).

SUBMISSION DEADLINES:

Fall Quarter September 20
Winter Quarter December 20
Spring Quarter March 20

Recipients of intramural fellowships and selected extramural fellowship are listed in the "Award Recipients" section of the fall issue.

ANTHROPOLOGY

Janette Marie Bramlett: "White Folks Walking: The Cultural Mapping of Dangerous Space." Presented at the 97th Annual Meeting of the American Anthropological Association, Philadelphia, PA, Dec. 2-6, 1998.

Mark Moritz: [1] Co-organizer of conference "Citizenship and issues of autochthony in postcolonial Africa: Changing modalities of exclusion and inclusion" Leiden University (Netherlands), June 1998. [2] "Het gebruik van antropologie bij het vaststellen van weidegrond degradatie" (The use of anthropology in the assessment of rangeland degradation). Presented at "100 jaar antropologie in Nederland" (100 years of anthropology in the Netherlands) Conference, Amsterdam, 18 Dec. 1998.

APPLIED LINGUISTICS

Amy Meepoe Baron: "Tying Techniques in Thai: The Practices of Personal Reference." Presented at Center for Language, Interaction, and Culture (CLIC), University of California, Los Angeles, California, May 8-9, 1998.

Stella de Bode: [1] (Co-authored) "The relationship between linguistic outcomes and etiologies of lesion leading to hemispherectomy." Poster presented at TENET (Theoret and Practical Neuropsychology), Montreal (June, 1998). [2] (Co-authored) "Language Acquisition in Sturge Weber Syndrome." Boston University Conf. on Language Development, Boston, MA, Nov. 1998. [3] ISOP fellowship for the human brain tissue collection in Russia, Summer, 1998.

Shoichi Gregory Kamei: "An exploratory validation study of a test of oral proficiency in Japanese for business purposes." Paper presented at the 1998 Southern California Association for Language Assessment Research (SCALAR) Conference, Los Angeles, CA, May 1998.

APPLIED LINGUISTICS & TESL

Leslie C. Moore: [1] Co-organized the 28th Colloquium on African Languages and Linguistics, Leiden University, Leiden, Netherlands, 31 Aug. - 2 Sept. 1998. [2] "Secondary language socialization in the Mandara Mountains (Cameroon)" Paper presented at the 28th Colloquium on African Languages and Linguistics, Leiden University, Leiden, Netherlands, 31 Aug. - 2 Sept. [3] "Secondary language socialization in a multilingual context: Incongruity between community and classroom practice" Paper presented at EUROSOLA 8: The bilingual individual, British Institute, Paris 10-12 Sept. 1998. [4] "Language socialization and second language acquisition and use in a multilingual community" Paper presented in the Luncheoning series of the Centre for Language Studies, University of Nijmegen, Netherlands, 9 Dec. 1998.

ANTHROPOLOGY

Lanita Jacobs-Huey: Awarded a Ford Dissertation Fellowship, 1998-99.

ARCHAEOLOGY

Mike Hilton: Awarded support by the University Research Expeditions Program (UREP) for archaeological field work in Katmai National Park and Preserve, Alaska, summer 1999.

Bryan Stone: "What Happened to the Philistines? Moving Beyond Description." Presented at American Schools of Oriental Research, annual meeting, Orlando, FL, Nov. 18-21, 1998.

ARCHITECTURE AND URBAN DESIGN

Ameet Nindra: Received the top award in The Vital Signs Case Study Competition, 1998. For details on this study see <http://www-archfp.ced.berkeley.edu/vitalsigns/act/1998comp/1998results.html#Graduate> Winners.

Steven Sandifer: (Co-authored) "Seasonal Variation in the Thermal Effect of Vines on Wall Surface Temperatures." Presented at ASES (American Solar Energy Society) 23rd National Passive Solar Conference; June 14-17, 1998; Albuquerque, NM. Conference Proceedings pp 109-115.

ART HISTORY

Pearlie Rose S. Baluyut: [1] "A Glorious History, A Golden Legacy: The Making of a Filipino-American Identity and Community in Los Angeles." *Amerasia Journal*, vol. 24, no. 3 (Fall-Winter 1998). [2] Department of Art History Conference Travel Award 1998.

ATMOSPHERIC SCIENCES

Amy Boonsiriset: [1] (Co-authored) "Broadband Plasma Waves Observed in the Polar Cap Boundary Layer: Polar." *Journal of Geophysical Research*, Vol. 103, Aug. 1, 1998, pp. 17,351-17,366. [2] (First Author) "Magnetospheric Electric Field Variation During Jan. 10, 1997 Storm Inferred From AMIE Electric Potentials." *American Geophysical Union*, San Francisco, Dec. 9, 1998.

Yu Gu: (Co-authored) "Interactions of Radiation, Ice Microphysics, and Turbulence in the Evolution of Cirrus Cloud." Poster presented at the Cirrus Tropical Meeting and Exhibit (collocated with 1998 OSA Annual Meeting/ILS-XIV), Baltimore, MD, 6-8 Oct. 1998.

Seongjoon Koo: [1] (Co-authored) "Bimodality of Atmospheric Zonal-Flow Vacillation." 1998 IGPP Annual Meeting, Los Alamos, NM, Sept. 14-15, 1998. [2] (Co-authored) "Bimodality of Zonal-Flow Vacillation." 1998 AGU Fall Meeting, San Francisco, CA, Dec. 6-10, 1998.

BIOMATHEMATICS

Bruce Shapiro: [1] (First author) "Hysteresis in Force Probe Microscopy: A Dynamical Systems Perspective." *Journal of Theoretical Biology*, 194(4): 551-559, Oct 21, 1998. [2] (Co-authored) "TOPEX/Poseidon Orbit Maintenance for the First Five Years." *Advances in the Astronautical Sciences*, Volume 100, pp. 973-987, San Diego: Univelt, Inc, 1998. [3] (Co-authored) "The TOPEX/Poseidon Operational Orbit." *Journal of Spacecraft and Rockets*, 35:212-224, 1998. [4] (First author) "A Quantitative Analysis of Single Protein-Ligand Complex Separation with the Atomic Force Microscope." *Biophysical Chemistry*, 67 (1-3):211-219, 1997. [5] Awarded a Systems and Integrative Biology Training Grant, National Institute of General Medical Sciences (NIGMS)/National Institutes of Health (NIH) Academic year 1998-1999.

BIOMEDICAL PHYSICS

Niraj K. Doshi: *Presentations* [1] (First author) "Monte Carlo Simulation of a Dedicated Breast and Axillary Node PET Imaging System." Poster presentation at the 45th Annual Meeting of the Society of Nuclear Medicine, Toronto, Canada, June 1998. [2] (Co-authored) "An Interactive Guide to microPET." Scientific Exhibit at the 45th Annual Meeting of the Society of Nuclear Medicine, Toronto, Canada, June 1998. [3] (Co-authored) "Study of lesion contrast recovery for statistical PET image reconstruction with accurate system models." Paper presented at the SPIE Medical Imaging Conference, San Diego, CA., 1998. [4] (Co-authored) "microPET-A Dedicated Small Animal PET Imaging System." Poster presentation at the Annual Meeting of the Society of Neuroscience, Los Angeles, CA, Nov. 1998. *Publications* [5] (First author) "Evaluation of the Detectability of Breast Cancer Lesions Using an Anthropomorphic Phantom." *Journal of Nuclear Medicine*, Vol. 39:1951-1957; Nov. 1998. *Awards* [6] Baily Award for a Young Research Student - American Association of Physicists in Medicine, Southern California Chapter - June 1998. [7] 1st Prize for Scientific Exhibit: "An Interactive Guide to microPET" - Society of Nuclear Medicine - June 1998. *Teaching* [8] Completed Faculty Certification to become an Adjunct Professor for the University of Phoenix, Southern California Campus, Nov. 10, 1998. [9] Guest lecturer for UCLA's undergraduate Radiation and Medicine class.

Kenneth Yue: (Co-authored) "Z-localized Two-dimensional MR Spectroscopy of Human Brain in vivo." Poster presented at the Scientific Exhibits Section at the Radiological Society of North America (RSNA) meeting, Chicago, IL, 11/29/98-12/04/98.

BIOSTATISTICS

Katrin Zadhambarsoomians: (Co-authored) "A Community-Based Model for STD/HIV Prevention among Client-Centered Populations in the Philippines." Paper presented at the Seventh Annual UCLA AIDS Institute Scientific Symposium: Where do we go after the cocktail, The Anderson School at UCLA, Dec. 4, 1998.

CHEMICAL ENGINEERING

Chia-Wei Wang: "Metabolic Engineering of the Isoprenoid Pathway." 1998 Annual Meeting of AIChE (American Institute of Chemical Engineers), Miami Beach, FL, Nov. 15-20, 1998.

CLASSICS

Robin Sparks Bond: "Justice and the Sea: *Works and Days* 236-37." Presented at Annual Meeting of the American Philological Association, Washington D. C., Dec., 1998.

Andrew Lear: [1] "The Portrait of the Erastes in Meleager's Garland." Presented at the Annual Meeting of the American Philological Association in Washington D.C., Dec. 27-30, 1998. [2] "Paiderastic Ideologies in Fourth Century Athens" at the "Queer Republic? Homosexuality in Greek Politics and Political Thought." Presented at conference at the University of Chicago, Feb. 13, 1999.

COMMUNITY HEALTH SCIENCES

Alina M. Bueno: Awarded a "Call to Action" Opportunity Scholarship in the area of Education by Governor Pete Wilson, presented at the Seventh Annual "Call to Action" Conference for Women in Long Beach, Oct. 1998.

Dara L. Coan: [1] (Co-authored) "Asia—The New Epidemic Zone for HIV/AIDS." *Journal of Health Communication: International Perspectives*. July-Sept. 1998, Vol. 3, Number 3, pp 185-191. [2] Raymond D. Goodman Scholarship (based on faculty recommendation and academic merit) 1998-1999.

Vilma Enriquez-Haass: "Consequences of Managed Care for Latino Elderly: Availability, Accessibility, and Acceptability." Paper co-presented at APHA Annual Meetings, Washington, DC, Nov. 1998.

Nancy Hikoyeda: (First author) "The Role of Ethnicity in the Quality of Life of Japanese American Women in Board and Care Homes." Poster presentation for the Annual Scientific Meeting of the Gerontological Society of America, Philadelphia, PA, Nov. 22, 1998.

Janni Kinsler: "Analysis of the Knowledge, Attitudes, and Behaviors of Belizean Adolescents towards HIV/AIDS." Poster presented at the Seventh Annual UCLA AIDS Institute Scientific Symposium: Where do we go after the cocktail, The Anderson School at UCLA, Dec. 4, 1998.

Carolyn Mendez: Awarded Fulbright Garcia-Robles Fellowship (Mexico) 1998-1999 and Organization of American States PRA Fellowship (Mexico) 1998-1999.

France T. Nguyen: (Co-authored) "Strategies for Reaching Asian Americans with Health Information." *American Journal of Preventive Medicine*, April 1998; 14(3): 224-228

Loc H. Nguyen: *Publications* [1] (Co-authored) Injuries as a result of California earthquakes in the past decade." *Disasters*. 1998;22(3):218-235. [2] The hidden dimension of injury control for school-based injuries (Letter to the Editor). *American Journal of Public Health*. 1998;88(10):1557. *Presentations* [3] Methodological quirks of public health research on earthquakes. 23rd Annual Hazards Research and Applications Workshop, Boulder, CO, July 12-15, 1998. [4] (Co-authored) "Recognition and utilization of service organizations in the aftermath of the 1994 Northridge earthquake." 126th Annual Meeting of the American Public Health Association, Washington, D.C. Nov. 14-19, 1998. [5] (Co-authored) "Information seeking in the aftermath of the 1994 Northridge earthquake: Implications and recommendations." 126th Annual Meeting of the American Public Health Assoc., Washington, D.C. Nov. 14-19, 1998.

Michele M. Wood: *Publications* [1] (First author) "College Students' Perceptions of Cigar Versus Cigarette Smoking." Poster presented at the AIM Conference: Clearing the Air, Los Angeles, CA, December 1998. [2] Co-authored (1998). "Efficacy and effectiveness issues in the NIDA Cooperative Agreement interventions for out-of-treatment drug users." *Journal of Psychoactive Drugs*, 30. [3] First author (1998) "Differences in condom behaviors and beliefs among female drug users." *Women & Health*, 27, 137-160. [4] First author (1998, Dec.). "College Students' Perceptions of Cigar Versus Cigarette Smoking." Poster presented at the AIM Conference:

Clearing the Air, Los Angeles, California. [5] Co-authored (1998, July). "Motherhood as an opportunity for HIV risk reduction among crack-using women." Poster presented at the XII International Conference on AIDS, Geneva, Switzerland. [6] First author (1998, April). "A cognitive-behavioral intervention to reduce HIV risks among active drug users: Implementation Issues." Paper presented at the California Office of AIDS Staying Negative Symposium, Los Angeles, CA. [7] Co-authored (1998, April). "A cognitive-behavioral intervention to reduce HIV risks among active drug users: Efficacy study." Paper presented at the California Office of AIDS Staying Negative Symposium, Los Angeles, CA.

COMPUTER SCIENCE

Zhigang Pan: [1] (Co-authored) "Interconnect Delay Estimation Models for Synthesis and Design Planning." Presented at Asian and South Pacific Design Automation Conference, Hong Kong, Jan. 18-21, 1999. [2] (Co-authored) "Interconnect Delay and Area Estimation for Multiple-Pin Nets." Presented at ACM/IEEE International Workshop on Timing Issues in the Specification and Synthesis of Digital Systems, Monterey, CA, March 8-9, 1999.

EARTH AND SPACE SCIENCE

Shirley Baher: (Co-authored) "Seismic Anisotropy Near Source Region within Subduction Zones." Presented at the International Conference of Geophysicists, Geophysical Union of San Francisco, Dec. 5-10, 1998.

Leslie K. Tampari: [1] "Identification and mapping of water ice clouds in the Martian atmosphere." Presented at AAS Division of Planetary Sciences annual meeting, Madison, WI, Oct. 11-16, 1998. [2] (Co-authored) "Searching for Endogenic hot spots on Europa." Presented at AAS Division of Planetary Sciences annual meeting, Madison, WI, Oct. 11-16, 1998. [3] (Co-authored) "High resolution observations of Jupiter's 300 mbar temperature field by the PPR experiment from Galileo's Europa-16 orbit." AAS Division of Planetary Sciences annual meeting, Madison, WI, Oct. 11-16, 1998.

Shunxing Xie: Awarded an AMOCO Fellowship for 1998-1999.

EAST ASIAN LANGUAGES AND CULTURES

Jennifer M. Lee: "The Return of the Unresolved: Historical Memory and Its Literary Representation." Presented at the Western Conference of the Association for Asian Studies (WCAAS-SWCAS 1998 Joint Meeting), 16-17 Oct., 1998, El Paso, Texas.

EDUCATION

Karen McClafferty: Co-edited book entitled *Challenges of Urban Education: Sociological Perspectives for the Next Century*. SUNY Press, Albany, New York (1999).

ELECTRICAL ENGINEERING

Tai Chau: [1] (First author) "Long wavelength velocity-matched distributed photodetectors for RF fibre optic links." *Electron. Lett.*, 1998, 34 (No. 14), pp.1422-1424. [2] (First author) "High Performance Long-Wavelength Velocity-Matched Distributed Photodetectors for RF Fiber Optic Links." in *Conf. Proc. of the IEEE International Topical Meeting on Microwave Photonics (MWP'98)*, Sarnoff Corporation, Princeton, New Jersey, 12-14 Oct. 1998, pp. 107-110. [3] (Co-authored) "Distributed Balanced Photodetectors for RF Photonic Links." *Technical Digest of International Topical Meeting on Microwave Photonics Conference*, 12-14 Oct 1998, Sarnoff Corporation, Princeton, New Jersey, pp 177-180. [4] (Co-authored) "Suppression of Second Harmonic Distortion in DFB Lasers with Optical Injection Locking." in *Conf. Proc. of the IEEE Lasers and Electro-Optics Society 1998 Annual Meeting (LEOS'98)*, Orlando, FL, 1-4 Dec. 1998, pp. 115-156. [5] (Co-authored) "Demonstration of an Analog Fiber-Optic Link Employing a Directly Modulated Semiconductor Laser with External Light Injection." *IEEE Photonics Technology Letters*, Vol. 10, No. 11, Nov. 1998, pp. 1620-1622. [6] (Co-authored) "Experimental demonstration of modulation bandwidth enhancement in distributed feedback lasers with external light injection." *Electron. Lett.*, 1998, 34 (No. 21), pp.2031-2032. [7] (Co-authored) "Suppression of second harmonic distortion in directly modulated distributed feedback lasers by external light injection." *Electron. Lett.*, 1998, 34 (No. 21), pp.2040-2041. [8] (Co-authored) "Thermal Runaway Analysis For Velocity-Matched Distributed Photodetectors." in *Conf. Proc. of The European Gallium Arsenide and related III-V compounds Application Symposium (GAAS 98)*, Amsterdam, The Netherlands, 5-9 Oct. 1998, pp. 527-532. [9] (Co-authored) "Failure Analysis of Travelling Wave MSM Distributed Photodetectors." in *Conf. Proc. of the 44th Annual International Electron Devices Meeting (IEDM 98)*, San Francisco, CA, 6-9 Dec. 1998, pp. 669-672.

Heung-No Lee: (First author) "Fast adaptive equalization/diversity combining for time varying dispersive channels." *IEEE Trans. Commun.*, vol 46, no. 9, pp 1146-62, Sept. 1998.

ARCHAEOLOGY

La'Tony R. Miles: Awarded a Ford Predoctoral Fellowship, 1998-99.

ENVIRONMENTAL SCIENCE & ENGINEERING

Kanan Patel Coleman: Awarded Organization of American States PRA Award (for dissertation research in Mexico) 1998-1999.

Derek G. Shendell: Awarded a UC Chancellor's Fellowship for 1998-99 and a U.S. EPA/NCERQA STAR Graduate Fellowship in the category of Human Health Risk Assessment (primary interests Children's Environmental Health Exposure Assessment and Risk Management).

EPIDEMIOLOGY

Lawrence D. Chu: "The Association Between Professional Football Games and Intimate Partner Violence in Los Angeles County." Presented at The American Public Health Association Convention, Washington D.C., Nov. 15-18, 1998.

Bonnie Blander Dean: (First author) "Falls and fall prevention among East Los Angeles older adults." Presented at the 126th Annual Meeting of the American Public Health Association, Washington, D.C., Nov. 14-19, 1998.

Nina T. Harawa: (Co-authored) "Correlates of Knowledge of One's Blood Pressure, Total Cholesterol, and High-Density Lipoprotein Levels among Elderly Members of a Managed Care Organization in Southern California." Presented at American Public Health Association Annual Meeting, Washington DC; 126th Nov. 18, 1998. Abstract was a finalist for the Laurence G. Branch, Student Research Award.

Carri Hartman: (Co-authored) "Non-Fatal Assaultive Injuries Against Educators in California, 1995." Presented at the American Public Health Association Conference, Washington, DC, Nov. 15-19, 1998.

Hongjie Liu: (First author) "A Study of Sexual Behavior Among Rural Residents of China." *Journal of Acquired Immune Deficiency Syndromes and Human Retrovirology*, 1998; 19:80-89.

Atilla Uner: (Co-authored) "Evaluation of the Orthotopic Liver Transplant Patient Presenting to the Emergency Department." *Annals of Emergency Medicine* April 1998, 31(4):507-517.

Gregory S. Vaughn: (Co-authored) "Incidence of Chlamydia Trachomatis in older Los Angeles Residents, aged 50 and older." Presented at American Public Health Association 126th annual meeting, Washington, D.C., Nov. 15-19, 1998.

ETHNOMUSICOLOGY

Jack Bishop: [1] Awarded Title IV Intensive Portuguese language study (Summer session 1998). [2] Awarded Tinker Foundation Research Travel Grant to Brazil, 1998.

Kevin Delgado: [1] "Bata-Ketu: Ethnographically-Informed Music as Postmodern Scholarship." Paper presented at the 43rd Annual Meeting of the Society for Ethnomusicology at Bloomington, IN, Oct 21 1998. [2] Awarded Summer Research Assistantship/Mentorship Fellowship from the Program in the Humanities and Social Sciences, 1998.

Pantelis Vassilakis: (Oct. 1998) "The first pitch-shift effect as a doppler effect. A simple physical explanation to a complex perceptual phenomenon." *JASA*, Vol.104, 3/2, p.1799. (Conference proceedings.) [2] (Aug. 1998) "A single model explaining the first and second pitch-shift effects as alternative manifestations of a single phenomenon." *Proceedings of the 5th ICMPC. Seoul: Seoul National University*, pp. 107-114. [3] Multimedia Web Publishing of a multimedia site presenting the Ethnomusicology Department's Performance Ensembles. It includes sound and video examples, images, and text that addresses basic musicological, ethnographic and organological issues. See <http://ethnomusic.ucla.edu> under "Performance Ensembles".

FOLKLORE AND MYTHOLOGY

Timothy Corrigan Correll: "The Muñeco or Mufflerman as Occupational Sculpture." Paper presented at the American Folklore Society annual conference, Oct. 28 - Nov. 1, 1998, Portland, OR.

Paul Jordan-Smith: "Deciphering Folk Events." Paper presented at the American Folklore Society annual conference, Oct. 28 - Nov. 1, 1998, Portland, OR.

Joshua Kemp: "Two Takes on Rap Music: Culture Vs. Behavior." Paper presented at the American Folklore Society annual conference, Oct. 28 - Nov. 1, 1998, Portland, OR.

Denise Kozikowski: "Tradition and Change in Navajo Childbirth." Paper presented at the American Folklore Society annual conference, Oct. 28 - Nov. 1, 1998, Portland, OR.

Sean Leys: "Land of Treason: Identity in the Global Punk Underground." Paper presented at the American Folklore Society annual conference, Oct. 28 - Nov. 1, 1998, Portland, OR.

Kim Miller: "Home for the Holidays." Paper presented at the American Folklore Society annual conference, Oct. 28 - Nov. 1, 1998, Portland, OR.

Montana Miller: "No Grey Area: Ritual and Belief in a Twelve-Step Subculture." Paper presented at the American Folklore Society conference, Oct. 28 - Nov. 1, 1998, Portland, OR.

Antone Minard: [1] "Of Horses and Humans: The Divine Twins in Celtic Folklore & Mythology." Article published in The Proceedings of the Ninth Annual UCLA Indo-European Conference, *Journal of Indo-European Studies Monograph Series #28*, Washington, D.C.: Institute for the Study of Man, 1998, pp. 158-178. [2] Review of "Breton Ballads" by Mary-Ann Constantine, published in *Journal of Folklore Research* 35:2 (May-Aug., 1998), pp. 171-2.

Jasmine Newell: "Diet Folklore and the Internet." Paper presented at the American Folklore Society annual conference, Oct. 28 - Nov. 1, 1998, Portland, OR.

Kerry Noonan: [1] "Deus in Machina: Catholic Charismatics Online." Paper presented at the American Folklore Society annual conference, Oct. 28 - Nov. 1, 1998, Portland, OR. [2] "May You Never Hunger: Religious Foodways in Dianic Witchcraft" in *Canadian Folklore Canadian*.

Irina Ozernoy: "Re-Creating Reality: Shifting Strategies of Authenticity." Paper presented at the American Folklore Society annual conference, Oct. 28 - Nov. 1, 1998, Portland, OR.

Patrick Polk: "Playing the Devil: Interpreting Afro-American Masquerade Traditions." Paper presented at the American Folklore Society annual conference, Oct. 28 - Nov. 1, 1998, Portland, OR.

Stephen C. Wehmeyer: "The Indian Altars of the New Orleans Spiritual Church." Paper presented at the Arts Council of the African Studies Association conference, April 1998, New Orleans.

Chris Wood: "Forum on Anthropology in Public: The Making of Chumash Tradition: Replies to Haley and Wilcoxon." Article in *Current Anthropology* 39(4):477-510, 1998.

GEOGRAPHY

Travis Longcore: [1] National Science Foundation Dissertation Improvement Grant awarded for project "Assessing Ecological Restoration using Terrestrial Arthropods" (1998-99). [2] (Co-authored) "419 Acres: UCLA's Natural History. 1. Land Use, 2. Biological Homogenization, 3. Island Biogeography." Poster series and display presented at California's Biodiversity Crisis: The Loss of Nature in an Urbanizing World (UCLA, Oct. 24-25, 1998). [2] (Co-authored) "The Los Angeles Coastal Prairie, A Vanished Community." *Crossosoma* 23(2):71-102 (1997).

GERMANIC LANGUAGES

Ulrich Bach: "Peter Weiss' Hoelderlin Drama: Healing a Fractured Identity." Presented at the conference: The Migrant Images of Peter Weiss's Modernist Imagination, Duke University, Nov. 19-21, 1998

HISTORY

Carrie Benes: Awarded a Mellon Fellowship in Humanistic Studies, 1998-99.

Randolf Arguelles: "Alibata Tattoos: Filipino Americans and the Search for Indigenous Philippine Culture." Paper presented at Public Displays of Asianness conference, New York University, Nov. 13-14, 1998 and Association for Asian American Studies (AAAS) conference, University of Pennsylvania, Philadelphia, PA, March 31 - April 3, 1999.

Howard Eissenstat: [1] "Riots in Turkey: Represented and Representing." Paper presented at Mutiny Conference, Ohio State University, Oct., 1998. [2] "The 'Menemen Incident' and the Symbols of Revolt and Repression in Early Republican Turkey." Paper presented at the Middle East Studies Association Conference, Chicago, IL, Dec., 1998.

Omar Farouk Roque: Awarded a Ford Predoctoral Fellowship, 1998-99.

Sangeeta Gupta: "Emerging Voices: South Asian American Women Redefine Self, Family and Community." Feb. 1998. An edited collection with pieces on issues of bi-identity formation, dating & marriage, divorce and rebuilding lives, working South Asian moms, marital sexuality, etc.

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Accomplishments

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INDO-EUROPEAN STUDIES

Natalie Operstein. [1] "The Language of the Villancicos de Negros." Presented at the international conference "Secular Genes in Sacred Contexts: the Villancico and the Cantata in the Iberian World, 1400-1800", London, England, 1-4 July 1998 (joint work with Prof. Derek C. Carr). [2] "Italian-based Pidgins, Interlanguages, and Foreigner Talk." Presented at the Linguistic Society of America and the Society for Pidgin and Creole Linguistics Meeting, New York, 9-10 Jan. 1998.

Christopher Wilhelm. "Prometheans and the Caucasus: The Origins of the Prometheus Myth." In *Proceedings of the Ninth Annual UCLA Indo-European Conference (Los Angeles, May 23-24, 1997)*, ed. by K. Jones-Bley, A.D. Volpe, M.R. Dexter, and M. E. Huld (*Journal of Indo-European Studies Monograph Series No. 28*; Institute for the Study of Man; Washington, D.C., 1998), pp. 142-157.

ISLAMIC STUDIES

Munir A. Shaikh. Fellowship awarded for advanced language training at the Arabic Language Institute in Fes, Morocco, Winter and Spring Quarters, 1999.

Hussam S. Timani. "Al-Turabi's Islamic State in Theory and Practice" MESA '98 Conference, Chicago, IL, Dec. 3-6, 1998.

LATIN AMERICAN STUDIES

Patrice Ann Wagonhurst. [1] Inter-American Foundation Graduate Fellowship, 1999. [2] UCLA Center for the Study of Women, travel grant, 1998. [3] Tinker Field Research Grant, 1998. [4] National Resource Fellowship Title VI, 1998/1999.

LIBRARY & INFORMATION SCIENCE

Steven Frame. Awarded the H.W. Wilson Foundation Fellowship for 1998/1999.

Karen F. Gracy. Received the Daniel Creedon and James Garibaldi Scholarship Award, California Highway Patrol Foundation, Fall 1998 (departmental).

Shaojun Lu. "A Cross Sectional Study of the Impact of the Internet on formal Scholarly Communication", presented in 1998 the American Society for Information Science (ASIS) Annual Conference, Pittsburgh, PA, Oct. 26—29. It was also published in the *Proceedings of the 61th ASIS Annual Meeting* (Vol.35), pp.427-437.

Cindy Mediavilla. "Carma Leigh: an Historical Look at a Woman of Influence" Presented at the California Library Association conference, Oakland, CA., Nov. 16, 1998.

Ciaran Trace. [1] "Primary Sources in the K-12 Classroom". Presented at the Midwest Archives Council, Fall Meeting, Ann Arbor, Michigan, Oct. 17, 1998. [2] Awarded John P. Comaromi Scholarship (departmental).

LINGUISTICS

Taehong Cho. *Publications* [1] "Intergestural timing and Overlap in Korean palatalization: An Optimality-Theoretic Approach." In D. Silva (eds.), *Japanese/Korean linguistics*, Vol. 8. CSLI: Stanford, pp.261-276. 1998. [2] "Domain-initial articulatory strengthening in the prosodic hierarchy: an EPG study." *Proceedings of 11th International Conference on Korean Linguistics*. July 6-9, 1998. University of Hawaii at Manoa. [3] (Co-authored) "Variations and universals in VOT: evidence from 17 endangered languages." *UCLA Working Papers in Phonetics*, Vol.95 p.18-40. Dec. 1997. [4] (Co-authored) "Some phonetic structures of Aleut." *UCLA Working Papers in Phonetics*, Vol.95: p.68-90. Dec. 1997. *Presentations* [5] Acoustic correlates of articulatory prosodic strengthening in Korean. Paper presented at 136th Meeting of the Acoustical Society of America, Norfolk, Virginia. 12-16 Oct. 1998. [6] "Specification of gestural timing and overlap: EMA and EPG studies." Paper presented at the conference of Linguistics and Phonetics '98. Ohio State University, Ohio. Sep. 14-20, 1998. [7] (Co-authored) "The specification of Voice Onset Time." Paper presented at 6th Conference on Laboratory Phonology (LabPhon6). York University, York, England. June 2-4, 1998. [8] (Co-authored) "Domain-Initial Articulatory Strengthening in Four Languages." Paper presented at 6th Conference on Laboratory Phonology (LabPhon6), York University, York, England. June 2-4, 1998.

MANAGEMENT

Manuel Baucells. (Co-authored) "Multiperson Utility." Presented at IX International Game Theory Conference, State University of New York at Stony Brook, July 20-24, 1998.

Koen Pauwels. "The Long-Term Profitability of Frequent Promotions versus Everyday-Low-Prices: Negative Reference Price Effects or a Baseline Sales Lift?" Presented at INFORMS Marketing Science Conference, 10-13 July, 1998, INSEAD, Fontainebleau, France., Session Su2.9.

Peter K. Schott. [1] "One Size Fits All? Theory, Evidence and Implications of Cones of Diversification". 1998 Empirical Investigations in International Trade Conference. Purdue University, West Lafayette, IN. Nov. 19-21, 1998. [2] "Land Abundance, Risk and Return: A Heckscher-Ohlin Linear Programming Approach". 1998 Workshop on Empirical Investigations in International Trade and Investment." Copenhagen Business School, Copenhagen, Denmark. June 19-21, 1998.

MATHEMATICS

Jamylle Carter. "The Graduate School Experience." Guest speaker in upper-division class in Partial Differential Equations, Alabama State University, Montgomery, AL, 5 Oct. 1998.

MECHANICAL & AEROSPACE ENGINEERING

Jason K. Hui. [1] (Co-authored) "Model identification of the JPL microgyroscope." *Proceedings of the ASME Dynamic Systems and Control Division, 1998 International Mechanical Engineering Congress and Exposition*, Anaheim, CA, Nov. 20, 1998. [2] (Co-authored) "Input-output dynamics of the JPL microgyroscope." *Proceedings of the 37th IEEE Conference on Decision and Control*, Tampa, FL, Dec. 16, 1998.

Naresh Ramanujapu. [1] (First author) "Dynamics of contact angle during growth and detachment of a vapor bubble at a single nucleation site." *Proceedings of the 5th ASME/JSME Joint Thermal Engineering Conference*, March 15-19, 1999, San Diego, CA.

MEDICINE

Ina Park. Awarded the Fogarty Fellowship in International Health (Equator) 1998.

MICROBIOLOGY AND IMMUNOLOGY

Kirkwood M. Land. One of two recipients nationwide of The Robert W. Sarber Award from the American Society for Microbiology.

Mirianna Moran. (Co-authored) "Engagement of GPI-Anchored T cell CD48 Contributes to TCR Signals and Cytoskeletal Reorganization: A Role for Lipid Rafts in T cell Activation." *Immunity*, Dec., 1998.

Hung Ton-That. [1] (First author) "Anchor Structure of Staphylococcal Surface Proteins: III. Role of the FemA, FemB and FemX Factors in Anchoring Surface Proteins to the Bacterial Cell Wall." (1998) *Journal of Biological Chemistry*, 273: 29143-29149. [2] (Co-authored) "Anchor Structure of Staphylococcal Surface Proteins: II. COOH-Terminal Structure of Muramidase and Amidase-Solubilized Surface Proteins." (1998) *Journal of Biological Chemistry*, 273: 29135-29142.

MICROBIOLOGY AND MOLECULAR GENETICS

Megan Hall. "Subcellular Localization of a New Splicing Regulatory Protein, KSRP." Poster presented at Dynamic Organization of Nuclear Function Conference, Cold Spring Harbor, NY, Oct. 7-11, 1998.

MUSIC

Margaret Hontos. Premiere performance of her new composition called "Fourth Stream" dedicated to and performed by the Santa Barbara City College Concert Band under the direction of Dr. Charles Wood on Dec. 6, 1998, Garvin Theatre, Santa Barbara City College.

MUSICOLOGY

Francesca Draughon. [1] "Truth and Poetry in Music": Autobiography in the Funeral March of Mahler's First Symphony." Presented at the joint meeting of the Northern and Southern California chapters of the American Musicological Society, April 1998. [2] *Awards*: UCLA 1998 Summer Mentorship/Research Assistant Fellowship; Phi Beta Kappa Pauline Turrill Award for Research in 19th Century Music, June 1998; Carmela and Charles Speroni Fellowship for best paper by a graduate student in the Department of Musicology, June 1998; and the Ingolf Dahl Memorial Award for best paper of American Musicological Society, California chapter meeting, April 1998

Marischka Olech Hopcroft. [1] "Redefining the Beautiful in Franz Liszt's Transcendental Etude No. 9 in A-flat Major, 1839." Presented at the International Ero Tarasti Congress for Musical Semiotics and Signification, Darius Milhaud Conservatory, Aix-en-Provence, France, Dec. 1-7, 1998. [2] "Fated femmes' or 'Femmes fatales'?: Featuring Marie

d'Agout, George Sand, and their Phantasm of Desire Franz Liszt Disguised in Balzac's Beatrice." Presented at "Thinking Gender"—the ninth annual graduate student research conference presented by the UCLA Center for the Study of Women and the USC Center for Feminist Research, UCLA Faculty Center, March 5, 1999.

Maiko Kawabata. Awarded 1998-99 Gluck Fellowship, Dept. of Music. Duties: Leader and Violinist in UCLA Gluck Fellows Piano Quartet.

Jacqueline Warwick. [1] "Make Way for the Indian: Bhangra Music and South Asian Presence in Toronto," a review of Robin Roberts's "Ladies First: Women in Music Video" for *South Central Review*. Article in *Popular Music and Society*, Fall-Winter 1998, vol. 15, 3-4. [2] "Next Stop Squaresville: Camp Aesthetics in LA's Swing Revival." Presented at the LA meeting of the International Association for the Study of Popular Music, Oct. 16-18, 1998.

NEUROBIOLOGY

Ricardo Cristobal. [1] (First author) Hair cell formation in cultures of dissociated cells from the vestibular sensory epithelium of the bullfrog. Paper published in *The American Journal of Otolaryngology* 1998, 19: 660-668. [2] (First author) Expression of fibroblast growth factor receptor 1 (FGFR-1), brain derived neurotrophic factor (BDNF), and its receptor trkB in vestibular organs. Presented at the 1998 Society for Neuroscience Annual Meeting, abstract #552.10. [3] Awarded a fellowship from the National Institute of Deafness and Communication Disorders, NIH, for research on inner ear hair cell regeneration, 1998.

ORGANISMIC BIOLOGY, ECOLOGY, AND EVOLUTION

Scott D. Matthews. [1] "Mechanism of Defensive Inflation in the Swellshark, *Cephaloscyllium ventriosum*." Bodega Marine Laboratory, Bodega Bay, CA, Dec. 11, 1998. [2] (Co-authored) "Allozymic Variation and Population Structure in the California Grunion, *Leuresthes tenuis*." Southern California Academy of Sciences, California State Polytechnic University, Pomona, CA, May 1-2, 1998. [3] (Co-authored) "Genetic control of formaldehyde dehydrogenase (1.2.1.1) expression in the topsmelt (*Atherinops affinis*) and the jacksnail (*Atherinopsis californiensis*)." *Gene Families and Isozymes Bull.* 1998, 31:52. [4] (Co-authored) "Allozymic variation in the California grunion, *Leuresthes tenuis* (Atheriniformes: Atherinopsidae)." *Gene Families and Isozymes Bull.* 1998, 31:36.

Daniel J. Pondella, II. [1] (First author) Re-occurrence of the threeband butterflyfish, *Chaetodon humeralis*, (*Chaetodontidae*) with notes on its distribution in southern California. *Bulletin of the Southern California Academy of Sciences*. 97(3):121-124. [2] elected to the Board of Directors of the Southern California Academy of Sciences.

PHILOSOPHY

Ben Caplan. Awarded Doctoral Fellowship, Social Sciences and Humanities Research Council (SSHRC) of Canada, 1998-2001.

PHYSICS

Dean Dauger. Student winner in the Ninth Annual Educational Software Contest of *Computers in Physics*, a publication of the American Institute of Physics. His entry is named Atom in a Box, (<http://www.physics.ucla.edu/~dauger/orbitals/>). Awarded on Jan. 12, 1999, at the American Association of Physics Teachers Winter 1999 Conference in Anaheim, CA, this award has also been announced in the inaugural issue of the Apple University Arts newsletter. The cover story is about a project named AppleSeed, for plug and play supercomputing, at the UCLA Dept. of Physics in which he is also involved.

Matthew Griskey. (Co-authored) "Secondary Electron Emission Instability in a Plasma." *Physical Review Letters*, Jan. 1999.

PHYSIOLOGICAL SCIENCE

Fred Chau-Yang Ko. [1] (Co-authored) "Differential expression of the alternatively spliced EIIIA segment of fibronectin in synovial fluid in osteoarthritis and rheumatoid arthritis." Abstract presented at Arthritis & Rheumatism 1998 National Scientific Meeting, San Diego, CA, Nov 1998. [2] (Co-authored) "Rat chondrocytes adhere avidly to the alternatively spliced V segment of fibronectin." *Journal of Investigative Medicine*. Jan. 1998. Abstract presented at American Federation for Medical Research Conference, Carmel, CA, Feb. 1998.

Christian Kenneth Roberts. [1] Awarded Edith Hyde Predoctoral Fellowship 1998-1999 (departmental). [2] (First author) The exercise-induced depletion of muscle glycogen occurs irrespective of nitric oxide synthase activity. Abstract in *Medicine and Science in Sports and Exercise* 30(5

Suppl): S246, 1998. [3] (Co-authored) Diet-induced insulin resistance precedes the metabolic syndrome. *J. Appl. Physiol.* 84(4): 1311-1315, 1998. [4] The exercise-induced depletion of muscle glycogen occurs irrespective of nitric oxide synthase activity. Presented at American College of Sports Medicine, Annual Meeting, June 3-6, 1998, Orlando, FL.

PHYSIOLOGY

Sepehr Eskandari: (Co-authored) "Substance P induces brief, localized increases in $[Ca^{2+}]_i$ in dorsal horn neurons." *NeuroReport* (1998), vol. 9, pp. 3369-3374.

PUBLIC HEALTH

Rosavinia Pangan: Awarded the Fogarty Fellowship in International Health (Philippines) 1998.

Kwa Abekh Sey: Awarded the "Best Student Paper in Social and Behavioral Sciences" for "Are Gatekeepers Trendsetters or Informants?" Presented at the Seventh Annual UCLA AIDS Institute Scientific Symposium: Where do we go after the cocktail, The Anderson School at UCLA, Dec. 4, 1998.

Lisa V. Smith: Presentations [1] (First author) HIV testing behavior among U.S. residents, aged 50 years and older: Implications for the future of HIV prevention for older Americans. Poster presented at the Society for Epidemiologic Research, Chicago, IL, June 24-26, 1998. [2] (First author) Recognition and utilization of service organizations in the aftermath of the 1994 Northridge Earthquake. Poster presented at the 126th Annual Meeting of the American Public Health Association, Washington, DC, Nov. 15-19, 1998. [3] (First author) Information-seeking in the aftermath of the 1994 Northridge Earthquake: Implications and recommendations. Poster presented at the 126th Annual Meeting of the American Public Health Association, Washington, DC, Nov. 15-19, 1998. [4] (First author) The frequency of HIV pre- and post-test counseling using data from the 1994 National Health Interview Survey (NHIS). Poster presented at the 126th Annual Meeting of the American Public Health Association, Washington, DC, Nov. 15-19, 1998. [5] (First author) Incidence of Chlamydia trachomatis in older Los Angeles residents, aged 50 and older. Poster presented at the 126th Annual Meeting of the American Public Health Association, Washington, DC, Nov. 15-19, 1998. [6] (First author) Barriers to patient treatment occur before and after patients reach health care facilities. Paper presented at the 1998 National Sexually Transmitted Disease Prevention Conference, Dallas, TX, Dec. 6-9, 1998. [7] (First author) Barriers to STD care faced by community-based organizations (CBOs). Paper presented at the 1998 National Sexually Transmitted Disease Prevention Conference, Dallas, TX, Dec. 6-9, 1998. **Awards** [8] Recipient of the Beverlee A. Myers Memorial Award, American Public Health Association, 1998. [9] Recipient of the 1998 Fair and Open Academic Environment Award, Academic Senate, UCLA.

Perlee Tobias: Awarded the Fogarty Fellowship in International Health (Philippines) 1998.

Anh Tran: Awarded the Fogarty Fellowship in International Health (Viet Nam) 1998.

SOCIAL WELFARE

TsuAnn Kuo: Co-authored (1998). "Social Policy and Politics of Hispanic Aging." *Journal of Gerontological Social Work.* Vol. 30, Nos. 1/2. Also listed as a Book Chapter: Torres-Gil, F. M. and Kuo, T. (1998). "Social Policy and Politics of Hispanic Aging." In Melvin Delgado (Ed.), *Latino Elders and the Twenty-First Century: Issues and Challenges for Culturally Competent Research and Practice.* New York: Haworth Press, Inc.

SOCIOLOGY

Stacy Burns: Won the Graduate Student Paper Award of the Sociology Law Section for her "Think Your Blackest Thoughts and Darken Them: Worst Light Depictions, Predictions and Evaluations in Judicial Mediation of Large Money Damage Disputes." ASA Section awards 1998.

Angie Y. Chung: [1] (Co-authored) "From Third World Liberation to Multiple Oppression Politics: A Contemporary Approach to Interethnic Coalitions." *Social Justice* (Fall 1998: Vol.25, No.3), pp.80-100. [2] "Interethnic coalitions in post-civil unrest L.A.: a case study on the Koreatown and West Adams Public Safety Association." To be presented at Pacific Sociological Association Conference: April 15-18, 1999, Portland. [3] (Co-authored) "From Third World Liberation to Multiple Oppression Politics: A Contemporary Approach to Interethnic Coalitions." *Social Justice* (Fall 1998: Vol.25, No.3), pp.80-100.

Elham Gheyntchi: "Post-Revolutionary Iran: Islam, Gender and politics." Article in an Amsterdam-based journal called *MERA (Middle East Research Associates, Number 2 Fall 1998)*. Web address is <http://www.xs4all.nl/~mera>

Ann Holohan: Won the Elise Boulding Student Paper Award of the Peace, War, and Social Conflict Section for "Have I

Got News for You: Changing the Guard in Foreign Press Coverage in Haiti." ASA Section awards 1998.

Gihong Yi: [1] (Co-authored) "Ethnic Unity, National Division, and Conflicting Identities: A Case for Intra-Ethnic Conflict in Korea." Presented at the American Sociological Association Annual Meeting, San Francisco, Aug. 1998. [2] (Co-authored) "The Dynamics of R&D in Industrial Development: Lessons from the Korean Experience." *Industry and Innovation*, Vol. 4, No. 2, Dec. 1997, pp. 167-182.

URBAN PLANNING

Shea Cunningham: Co-authored a book titled, *A Siamese Tragedy: Development & Disintegration in Modern Thailand* with Walden Bello and Li Kheng Po. (Published by Zed Books Ltd. (London & New York) and Food First Books (Oakland, CA), 1998). 226 pages.

Liette Gilbert: [1] (Co-authored) "Shades of Duality: Perceptions and Images of Downtown Workers in Los Angeles." *Journal of Architectural and Planning Research* 16/1 Spring 1999. [2] "Pluralism and Planning Theory: Lessons Within and Across Borders." Presented at Association of Collegiate Schools of Planning conference, Pasadena, Nov. 1998. [3] "From Ethnic to Global Consciousness: (Ethno)nationalism meets Social Diversity." Presented at International Network of Urban Research and Action conference, Toronto, Sept. 1998.

Daniel B. Hess: Awarded an Eisenhower Fellowship by the Federal Highway Administration. He is spending the 1998-1999 school year at the headquarters of the Bureau of Transportation Statistics in Washington, D.C., evaluating the implications of the U.S. Census Bureau's American Community Survey on transportation planning.

Gail Sansbury: Awarded Dissertation Fellowship, American Association of University Women (AAUW) 1998-1999.

WORLD ARTS & CULTURES

Dan Froot: [1] Awarded 1998 Alma Hawkins Award for Outstanding M.F.A. Student. [2] Performed "Job," collaboration with David Dorfman, at On The Boards, Seattle, WA, Jan. 16 & 17, 1998. [3] Taught "Talking Dance" master classes at Velocity Studios, Seattle, WA, Jan. 15 & 16, 1998. [4] Performed "Froot Alone" at Lewis & Clark College, Portland, OR, Jan. 23 & 24, 1998. [5] Performed "Job" at the Myrna Loy Center, Helena, MO, Jan. 30 & 31, 1998. [6] Performed "Froot Alone" at the Myrna Loy Center, Helena, MO, Feb. 6, 1998. [7] Performed "Job" at University of North Carolina, Feb. 13 & 14, 1998. [8] Teaching residency (with Victoria Marks) at the Dance Department of University of Illinois, Champagne-Urbana, Feb. 16-18, 1998. [9] Performed "Froot Alone" at The Wagon Train Project, Lincoln, NE, March 7 & 8, 1998. [10] Performed "Job" at Agnes Scott College, Raleigh, NC, Feb. 27 & 28, 1998. [11] Performed "Job" at DePauw University, Greenville, IN, March 11, 1998. [12] Performed "Job" at National Park Memorial Theater, El Paso, TX, March 14, 1998. [13] Performed "Froot Alone" at 171 Arts Center, Corning, New York, March 21, 1998. [14] Performed "Froot Alone" Dance Theater Workshop, NYC, March 26, 28, April 2, 4, 1998. [15] Created "Diner Dansant," a site-specific performance in collaboration with Victoria Marks, Beweeging 1 Festival, Antwerp, Belgium, June 5-27, 1998. [16] Taught workshop in Interdisciplinary Collaboration at Pentacle Danceworks, NYC, June 29 & 30, 1998. [17] Performed "Froot Alone" at the Los Angeles Public Library Central Branch, July 12, 1998. [18] Taught workshop in Talking Dancing at Lower Left Dance Intensive, San Diego, CA, July 17 & 18, 1998. [19] Performed solos at Lower Left Dance Intensive (shared program with Victoria Marks), San Diego, CA, July 22, 1998. [20] Taught workshop for Moving Musicians at Alternate ROOTS Annual Meeting, Black Mountain, NC, Aug. 15-20, 1998. [21] Taught workshop in Interdisciplinary Collaboration at Colorado College, Colorado Springs, CO, Sept. 7, 1998. [22] Solo and duet concert (shared program with Victoria Marks) presented by Dance in the Square, Union Square, New York City, Sept. 9, 1998. [23] "Live Sax Acts," duets with David Dorfman, at the Philadelphia Fringe Festival, Sept. 10-13, 1998. [24] Taught workshop in Interdisciplinary Collaboration at Movement Research, Inc., New York City, Sept. 15-16. [25] Performed "Bull," collaboration with David Dorfman, at Downtown Arts Festival, Cooper-Union, New York City, Sept. 19, 1998. [26] Performed "Froot Alone" at Dance Theater Workshop, New York City, Oct. 15-18, 1998. [27] Performed "Bull" at Bowdoin College, Brunswick, Maine, Oct. 30, 1998. [28] Performed three Los Angeles premieres at the Getty Center, Los Angeles, Nov. 13, 1998. [29] Performed title role in "Ah Q," an intercultural collaboration presented by the Center for Intercultural Performance, Dec. 4-6, 1998. [30] Curator and Master of Ceremonies for the first installment of "The Silver Series," dance concerts commemorating the 25th Anniversary of The Danspace Project, New York City, Dec. 18-20, 1998.

Lauren Holt-Hansen: Conducting field research in Salvador and in Rio de Janeiro, Brazil during the Winter Quarter 1999, thanks to a Tinker Field Research Grant in connection with the Latin American Studies Center at UCLA.

Chancellor's Address

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The Vice Chancellor concluded her remarks by encouraging the students to take full responsibility for their graduate education and to "View it as the first job of your future career, not the last installment in your education." She also reminded them that their work needs to be grounded in the ethics of their field: "You won't be a real success unless your actions reveal principles as well as competence."

Professor Clifford Brunk, Chair of the Academic Senate Graduate Council, explained the role of the Graduate Council in supporting and enhancing the quality of graduate study at UCLA. He focused on the Council's responsibility for the review of newly proposed graduate programs as well as for the review of the proposed disestablishment of or changes in existing graduate programs. Professor Brunk noted that every eight years each department or other teaching unit is subject to a formal review of its undergraduate and graduate teaching and research and that graduate student input is an essential part of the review. He promised that the Graduate Council would work closely with the Graduate Student Association this year to ensure a full measure of graduate student input in the review process.

Joanna Brooks, President of the Graduate Student Association, outlined several issues of concern she has in regard to the future of the new graduate students. These include a less diverse student body, a higher burden of student loan debt and the availability of fewer tenure-track faculty positions as universities utilize more part-time appointments. Ms. Brooks said that she views today as a defining historical moment for the future. She encouraged students to familiarize themselves with issues affecting graduate student life and to participate in the process to meet the challenges they pose.

A reception in the Faculty Center following the Address provided the students and participating faculty and staff an opportunity to meet. Entertainment was provided by Marisol Saens, an undergraduate in Ethnomusicology, and her trio.

*By Daniel J. Bennett
Photo by Susan Young*

Entering Graduate Students Welcomed at Chancellor's Address

On October 12 Chancellor Albert Carnesale and Vice Chancellor and Dean Claudia Mitchell-Kernan hosted the annual Chancellor's Graduate Students Address and a reception for entering graduate and professional students. The Address was held in the Schoenberg Hall Auditorium, where the Chancellor introduced the deans of UCLA's schools and colleges.

In introductory remarks, Chancellor Carnesale spoke of the unique and rapid rise of UCLA, from a tiny teacher's college in 1919 to its current status as one of the finest research universities in the United States. The Chancellor referred to the most recent survey of graduate research programs conducted by the National Research Council which ranks 13 of UCLA's PhD programs among the top 10 in their respective fields and 31 in the top 20. He also pointed to UCLA's 5,000 individually funded projects in progress at any given time and noted that UCLA ranks fourth in the nation for total research funding, a figure that amounted to \$407 million last year.

Chancellor Carnesale emphasized the real world impact of the University's research activities, noting that UCLA was the birthplace of the Internet in 1969, the nation's first AIDS cases were documented here in 1981 and UCLA researchers created an entirely new field of knowledge following their discovery of secrets of the earth through the examination of microorganisms that are three-and-a-half billion years old. He further noted, "Only weeks ago, FDA approval was given to Herceptin, the first genetically engineered

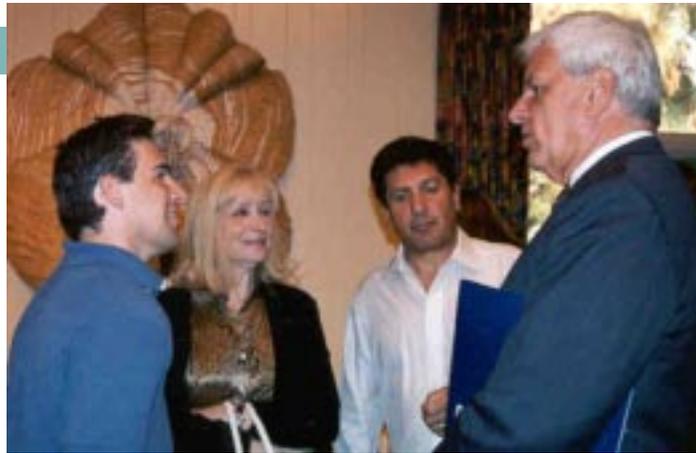
breast cancer drug – another product of UCLA research." The Chancellor indicated that solving real world problems cannot be done "neatly within the domain of a single academic field. Instead, they demand a multifaceted

multi-disciplinary approach," one that UCLA actively encourages and supports.

Chancellor Carnesale concluded his remarks by challenging the new students to follow Louis Pasteur's advice to his colleagues to "worship the spirit of criticism" as they search for higher truths, and to "take advantage of everything UCLA has to offer ... and enjoy this exciting period in your lives."

Vice Chancellor Mitchell-Kernan welcomed the class of 3,400 new graduate and professional students, noting that they come from all 50 states and 56 different countries. She reflected on her anxiety and exhilaration upon becoming Dean and Vice Chancellor in 1989, emotions the students undoubtedly share as they face the challenges of their new academic careers at UCLA.

The Vice Chancellor spoke of the Graduate Division's current systematic review of graduate education, including an examination of such issues as student support, time to degree, attrition, mentoring and diversity. She encouraged the students to share their thoughts on these and



Chancellor Carnesale (far right) converses with graduate students at the reception following the address.

other concerns during their time at the University. Vice Chancellor Mitchell-Kernan emphasized "the value of diversity to the educational enterprise" and UCLA's commitment "to creating a campus whose diversity reflects the population of its hometown." The Vice Chancellor noted that during the past year the Graduate Division expanded its outreach program to send graduate students to the city's community colleges and high schools to share their academic experiences with potential future graduate students; she invited the new students to join in this mission for the coming year.

The Vice Chancellor cautioned the students to expect the unexpected and to understand that in the future, they may need to plan for more than one career, as fields and the job market change. She noted that in surveys conducted by the Graduate Division, alumni expressed a high degree of satisfaction and success in the job market, and that next spring, a number of PhDs with nontraditional careers will be invited to campus to share their experiences with current students.

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