

Fall 2003

UNLV Magazine

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Repository Citation

Cloud, B., Vaughan, J. (2003). UNLV Magazine. In C. Weeks (Ed.), *UNLV Magazine*, 11(2), 1-20.

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FOR ALUMNI, FACULTY, AND FRIENDS OF THE UNIVERSITY OF NEVADA, LAS VEGAS

UNLV

Magazine

FALL 2003

Dental Detectives

Dental Students
Learning Forensic
Techniques to
Fight Crime

Nuclear Scientists
Hope to Eliminate
Controversial Waste
Storage Issues

Gambling Addiction
Experts Battle Old
Stereotypes Through
New Research

IN THIS ISSUE: GOLF COACH DWAIN KNIGHT | DOUGLAS SELBY'S WINDING ROAD



Calling for a Great University

UNLV thanks you for your continued support that makes your University one of the greatest in the land! This fall, Rebel Ringers will call on you to further your involvement with UNLV. They will invite you to become even more ingrained in the fabric of this fantastic institution of higher learning. We need your support. Contribute to the UNLV Annual Fund and further promote academic excellence at UNLV. When students dial your number, answer the call with Rebel Spirit.

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Vol.11 No. 2 | Fall 2003

UNLV Magazine

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UNLV Magazine is published in March and September by the University of Nevada, Las Vegas 4505 Maryland Pkwy, Box 451012 Las Vegas, NV 89154-1012. <http://www.unlv.edu/>

UNLV is an AA/EEO institution.

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By Cate Weeks



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Like alcoholism, pathological gambling is a devastating addiction that quickly and quietly sends the afflicted toward rock bottom. UNLV professors and alumni are leading the nation in research of the widely misunderstood problem.

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Community Transformation: The Role of UNLV

As many of you may know, UNLV is actively pursuing an agenda to become a major research university. Our agenda is not solely aimed at elevating UNLV's prestige on the national level, although this is a wonderful outcome we also hope to achieve. Rather it is based on UNLV's goal to become a major flagship university that both transforms and improves its community. To reach this goal, UNLV must produce the finest educated citizens and leaders, help solve many of the community's problems, strengthen the area's economic base and health, and produce exceptional creative, cultural, and athletic activities.

Most universities in the country that do these things best are known as Research I or major research universities. Quite simply, we aspire to that status not simply for reputation, but to help the people and the state of Nevada – to raise our state's fortunes – in every way. Let me give you some examples.

First, major research universities improve student learning in a variety of ways.

UNLV is working to create a student-centered learning environment in which students study with outstanding researchers and teachers. Faculty with active research agendas and programs are usually more knowledgeable and up-to-date about their disciplines – a factor that directly improves teaching. Such faculty stay in close contact with their colleagues around the country, study new developments in their fields, and experiment with new interpretations of older data or methods, leading to new discoveries. One very important byproduct of this faculty activity is that students have access to the most recent information in their disciplines, an outcome that directly improves student learning.

At UNLV, there are many exceptional opportunities for students to work on sophisticated research projects and creative performances in conjunction with faculty members. This experience makes the students' education more meaningful and teaches them skills that make them more marketable when they seek employment or apply for graduate school.

University research creates knowledge that can lead to new technologies, commercial products, and jobs that have a significant impact on the economy.

Second, major research institutions help keep the best and brightest students in the state.

Good students often investigate many institutions before deciding which one they will attend. They ultimately make their choices based on many factors, but certainly one important aspect is the student's perception of the opportunities available to them at a particular university. Many of the best students are attracted to a

university because of the opportunity to participate in the active intellectual life of the faculty. Outstanding research programs, those that give the most to the community and to students, help attract great students. If UNLV does not have these programs, Nevada's best students will search for them outside the state. When this

happens, it is a tragedy for Nevada because these bright people often do not return to live and work here, but instead stay in the state where they studied.

A prime example here at UNLV is the fact that students from all over the world want to attend our William F. Harrah College of Hotel Administration – recently ranked by the *Journal of Hospitality and Tourism Education* as the top hotel school in the country in overall quality. Nevada students with an interest in the hospitality industry stay here to study; they choose UNLV because of the opportunities that a great faculty and a great city offer. But they also stay because the faculty members are active researchers in their industry and students therefore learn the newest systems, techniques, expectations, and perspectives.

But a great university is not built on only one outstanding program. Like other excellent universities, UNLV has many highly regarded programs, including those in biology, mechanical engineering, business, law, physical therapy, creative writing, history, film, special education, and community counseling, to name a few.

Third, major research universities improve the quality of life in the community.

Universities with active faculty and research agendas are hotbeds of ideas. Many of the most significant discoveries that

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MGM MIRAGE Promotes Industry Diversity Through Hotel College Partnership

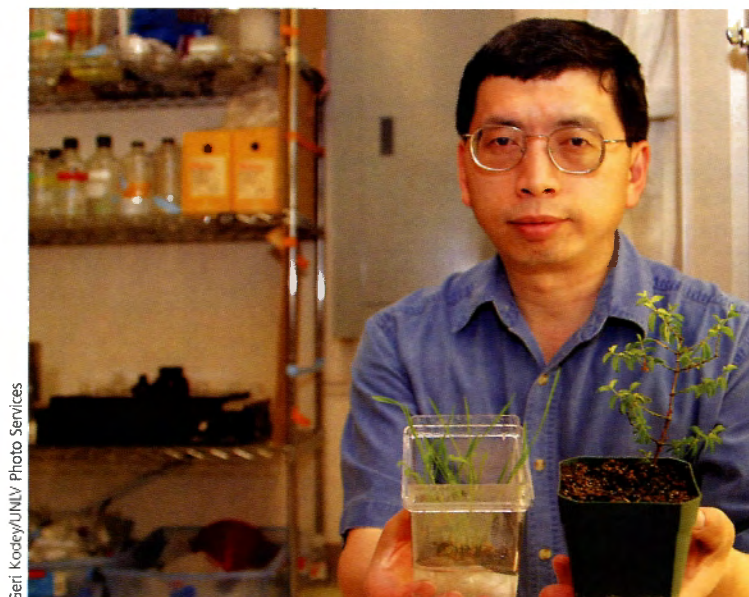
A new partnership between MGM MIRAGE and the William F. Harrah College of Hotel Administration will help both organizations bolster their diversity initiatives. The partnership includes a financial commitment of \$500,000 to UNLV during a five-year period.

J. Terrance Lanni, chairman and CEO of MGM MIRAGE, said the partnership is part of the company's strategic plan for diversity initiatives. "To explore our future prospects, we looked into the pipeline of next generation leaders by examining the current student body at the Hotel College," he said. "We found that UNLV, home to the world's finest hotel college, is a source of many of our best and brightest executives, and (the college) has been diligently working on issues related to diversity. Together, we will aggressively recruit bright minority students."

Activities will focus on student recruitment, scholarships, internships, mentoring, and professor externships. MGM MIRAGE executives will spend more time at UNLV interacting with students, Lanni said.

"We are thrilled to receive this support from MGM MIRAGE," said UNLV President Carol C. Harter. "It presents an opportunity to strengthen a partnership between UNLV and Nevada's most important industry in the pursuit of a goal that all of us share: diversity."

Four years ago, Hotel College administrators aggressively sought to increase diversity among the faculty. Now, 19 percent of the college's faculty members are from ethnic minorities. Future efforts will focus on diversity in the student body. Only 2.3 percent of undergraduate students in the college are African American and 6 percent are Hispanic.



With new high-speed computer resources, biology professor Jeff Shen hopes to isolate water-saving genes in the creosote bush (plant on the right) so he can develop a drought-tolerant turf grass.

Computer Donation to Speed Genome Research Projects

A donation of 11 high-end SUN computers will help UNLV researchers build more competitive research programs in genome analysis.

The Monsanto Co. donated the computers, valued at \$1.25 million, to the university through the UNLV Foundation. The high-speed equipment will enable UNLV scientists to speed up their research in the area of "bioinformatics," a relatively new interdisciplinary field that integrates mathematical sciences, computer sciences, and biology. Research on genome analysis – the study of the genes of humans, plants, and animals – is part of the bioinformatics field.

Biology professor Jeff Shen said the new computers will cut the time it takes to analyze data for his genome research from months down to a single day. Shen is working with other UNLV professors to pinpoint the water-saving genes in the creosote bush found in the Mojave Desert. The goal is to produce a water-saving, yet environmentally safe, turf grass and other landscaping plants with the genes from the creosote bush. The availability of drought-tolerant turf, particularly for home and golf course landscapes, could mean substantially less water usage in state.

"Our research has attracted the attention of scientists nationwide and is sup-

ported by major federal governmental agencies, including the U.S. Department of Agriculture, the National Science Foundation's EPSCoR (Experimental Program to Stimulate Competitive Research), and the National Institutes of Health Biomedical Research Infrastructure Network," Shen said. "This equipment will enable us to work much more efficiently to produce genome analysis results."

"Any time we receive sophisticated equipment such as this, we improve our academic reputation," said Ray Alden, executive vice president and provost. "It enables us to attract high-quality faculty and students because it facilitates their research. It also promotes collaboration and provides faculty with greater opportunities to train students in this emerging field."

Alden noted that the university is planning to initiate an interdisciplinary bioinformatics research/education program that will further enhance opportunities for study in this area.

Carl Reiber, chair of the biological sciences department, said the computers will be used by faculty in a number of departments, including biological sciences, mathematical sciences, and computer sciences. "It will also markedly enhance our competitive edge in obtaining federal funding for such research."

UNLV-TV Puts the Arts Front and Center

From *Academic Café* to the popular *Totally Band in Vegas*, UNLV-TV has stayed at the forefront of the local academic and entertainment scenes. Now the station, headed by program director Laurie Fruth, has created *Front and Center*, a showcase for fine arts that melds both arts and academics. The show will air at 9 p.m. Sundays on Channel 70.

"UNLV is the cultural center of Las Vegas," Fruth said. "We do more cultural programming on this campus than anywhere else in Southern Nevada. I saw this as an opportunity to develop a signature show that has a chance of building a strong following."

The first show, which aired Aug. 17, featured the more than 20 talented students and three faculty members who traveled to Scotland for the Edinburgh Arts Festival. Groups from the departments of dance,

film, and theater presented a variety of works at the acclaimed Edinburgh Fringe Festival. *Front and Center* followed the groups during their on-campus rehearsals and interviewed the participating faculty members.

"A program focusing on all of the arts has long been needed in Las Vegas and Southern Nevada," said Jeff Koep, dean of the College of Fine Arts. "This program has the potential to increase the exposure of the offerings of the College of Fine Arts, as well as other entities. It's my hope that it will include a variety of fine arts entities, as we need to work together to create a strong base."

As for the future of *Front and Center*, Fruth said the show will cover more than the traditional arts. "I define arts broadly," she said. "Anything exciting or visually stimulating would be excellent subject matter. Future shows could include topics ranging from book reviews to karate."

For information, visit www.unlv.edu/programs/unlvtv/index.html.



Geri Kodely/UNLV Photo Services

The Alumni Grove on campus offers a shady and relaxing spot for study. Through UNLV Alumni Association donations, more than 40 trees have been planted along Alumni Walk.

Center Helps Caretakers of Dementia Sufferers

People dealing with the high stress of caring for sufferers of dementia have a new community resource. UNLV opened the Nevada Caregiver Support Center, located at the University of Nevada School of Medicine Patient Care Center, 1707 W. Charleston Blvd, Suite 200.

Funded by a grant from the Nevada Division of Aging Services, the center offers services to the individuals, families, and professionals who care for patients with dementia.

"Dementia patient caregivers are often at risk of experiencing high levels of stress and exhaustion because the nature of the illness requires them to be on duty 24 hours a day," said Mark Floyd, a UNLV psychology professor and director of the center. "The center offers services to help maximize the quality of life for the individuals and families who serve as caregivers, as well as for the individuals who receive the care."

Dementia can be a particularly devastating illness, Floyd said, because most people are unaware of what to do when a loved one begins to experience the symptoms of the condition, which can include memory problems, confusion, and dramatic changes in personality.

The support center offers training classes on frustration management, problem solving, behavior management, and stress reduction.

Individual caregivers and families also can meet with behavioral health-care specialists at the center to discuss specific problems and solutions.

The center provides the services on a sliding scale based on the individual's or family's ability to pay. No one will ever be turned away due to lack of financial resources, Floyd said.

For information, call the Nevada Caregiver Support Center at (702) 671-5085.

Learning from Experience

Business Development Center Expands Counseling Services

Through its Nevada Small Business Development Center (NSBDC), the UNLV College of Business is expanding the counseling services for companies in Las Vegas.

Allan Bell, a volunteer with the Service Corps of Retired Executives (SCORE), will provide counseling services at the development center's offices on campus. Bell, who has expertise in exporting and importing, will focus on international business as well as work with start-up companies.

"Contrary to popular perception, 98 percent of the businesses in Nevada are considered small businesses by the SBA,"

said Richard Flaherty, dean of the College of Business. "Serving this population is a critical part of what the college is doing to support the economic development of Southern Nevada and the state. The development center serves a vital role in our strategic plan as the major outreach effort to businesses."

The Nevada Small Business Development Center — part of the UNLV and UNR business colleges — is a statewide resource for business assistance, providing a unique array of services, expertise, and training in all areas including starting, growing, and developing a business.

For information, call (702) 895-4270 or visit www.nsbdc.org.

Aging Center Opens Satellite Campus

The UNLV Center on Aging has established a "satellite campus" at the Horizon Pines Senior Apartments, a Nevada Housing and Neighborhood Development (HAND) property for low-income, older citizens.

The satellite campus, established through a new partnership between the Center on Aging and HAND, will enhance the ability of both organizations to respond to particularly vulnerable older citizens. The focus is on at-risk older residents, including those who are socially isolated or are having difficulty re-entering the labor force.

"This effort is also in line with the goal

of the Center on Aging to create a community-based 'learning laboratory,'" said Barbara Hirshorn, center director. "We want to make the university's resources accessible to the larger community. Through this partnership, the Center on Aging can impact the well being of older people in the community. At the same time, it will create important opportunities for learning and research for students and faculty."

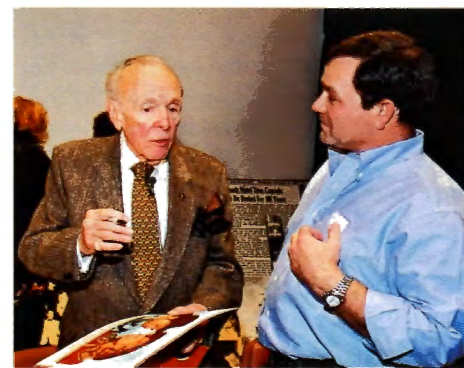
The Center on Aging was created in 2000 to study issues related to aging and to help formulate public policy concerned with an aging society.

For information, call (702) 896-2770.

Hall of Fame Inducts Film Director George Sidney

The College of Fine Arts is debuting the Nevada Entertainer/Artist Hall of Fame at UNLV during a series of events in September. The first inductee, George Sidney, will receive the award posthumously. Sidney was a three-time Academy Award-winning Hollywood legend who directed such great films as *Show Boat*, *Kiss Me Kate*, *Viva Las Vegas*, and *Annie Get Your Gun*.

The events begin Sept. 12 with a black tie reception, sponsored by Reneta Schiff, in the home of Corinne Sidney, George's widow. The awards ceremony will be held Sept. 13 in Ham Concert Hall. Celebrity speakers will share their memories of Sidney.



Film director George Sidney, pictured here at a lecture for UNLV students with film professor Sean Clark in September 2001, will be the first inductee of UNLV's Nevada Entertainer/Artist Hall of Fame.

Community Job Fair Planned Oct. 18

UNLV's Jean Nidetch Women's Center will host its 10th annual Community Job Fair from 8:30 a.m. to 12:30 p.m. Oct. 18 in the UNLV Moyer Student Union.

"Community Job Fair is an excellent, cost-effective employee-recruiting opportunity in today's competitive world of multimedia marketing," said Conee Spano, director of the center. "Thanks to the Southern Nevada businesses that sponsor and support this exciting event, Community Job Fair has grown to be one of the largest recruiting events in our state."

Spano expects nearly 2,000 job seekers to visit the 100 recruiters at the fair. The event offers job seekers free access to the employee-recruiting exhibits, parking, and baby-sitting services.

The Jean Nidetch Women's Center is celebrating its 10th year at UNLV. The center offers a scholarship program, services for adults returning to school, and social service information and referrals. Its programs serve both female and male students.

For information, call (702) 895-4475 or visit <http://womenscenter.unlv.edu/>.

In addition, an exhibition of previously unseen photographs taken by Sidney will be featured in the Donna Beam Fine Art Gallery from Sept. 15 to Oct. 4. Personalities such as Frank Sinatra, Judy Garland, Elvis Presley, and Ann-Margret are captured through Sidney's discriminating lens. These candid Hollywood photos of the people Sidney worked with regularly will be publicly displayed for the first time.

Tickets for the awards ceremony are \$25 general admission and \$10 with a valid student I.D. Tickets to the black tie event are \$500.

For information, call (702) 895-4292.

Finding Fault

Seismologist sets off explosives to evaluate earthquake hazards

By Gian Galassi

When UNLV seismologist Catherine Snelson wanted to measure the impact of ground motion on the Las Vegas basin for a research project, she knew she couldn't just wait around for an earthquake to occur. She had to make her own.

Using more than 7,500 pounds of ammonium nitrate-based explosives, Snelson, along with more than 40 students, colleagues, and community volunteers, detonated 11 carefully controlled explosions, or "shot points," to produce seismic waves similar to what a small earthquake might produce. Professors Wanda Taylor of geology and Barbara Luke of civil and environmental engineering also lent their expertise to the project.

The August experiment marked the final refraction survey of the Las Vegas Seismic Response Project, a two-year collaborative study designed to evaluate the seismic hazards in the Las Vegas Basin.

"Explosives are the best way for us to record seismic waves without actually recording an earthquake because they create the same effect without producing any of the damage," says Snelson, an assistant professor of geophysics. "Although explosives are usually equated with their destructive qualities, we use them in a very benign manner. Most people don't even know that we've done anything at all."

The team drilled holes approximately 150 feet deep that crisscrossed the valley at 10 km intervals from Henderson to Summerlin and from Nellis Air Force Base to Red Rock Canyon. A shot point was detonated in each hole and the ground motion created by these explosions was recorded using 840 seismic sensors. That data will help scientists develop a more detailed profile of the basin's geophysical composition.

The project began last year when researchers from UNLV, University of Texas at El Paso, and the Lawrence Livermore National Laboratory measured the effects of dynamite blasts from a nearby



Geophysics professor Catherine Snelson is leading research on earthquake activity by detonating controlled explosions across the Las Vegas Valley. She also monitors the area's reactions to worldwide seismic activity via computer programs.

rock quarry and a chemical blast at the Nevada Test Site. Preliminary analysis showed the Las Vegas basin to be much deeper than previously thought, indicating that ground motion created by an earthquake would be both slow and sustained – factors that contribute to extensive earthquake damage. Other studies uncovered at least eight tectonic faults that are capable of producing an earthquake of magnitude 6.5 to 7.0 on the Richter scale.

Should such an earthquake occur, says Snelson, the valley could suffer more than \$11 billion in damages and a significant number of deaths and injuries.

Ultimately, the researchers hope to better educate the public and government officials about earthquake preparedness. "The data we're compiling will provide a geologic and geophysical model of the Las Vegas basin that will not only be used by academics but also by city, county, and state officials who need to evaluate locations on which to build," Snelson said. "This research will provide information necessary to change existing building codes as well as plan for mitigation in the event that a large earthquake were to occur."

The researchers will present their preliminary analysis at the American Geophysical Union meeting in December. The data will be incorporated into a computer

model being developed by Lawrence Livermore and UNR scientists that estimates the effects of earthquakes on structures.

The data will also be critical in the development of "shake maps," which identify areas that would be the most adversely affected by such an event. Officials can then plan how to dispatch emergency resources to the areas likely to need them most.

The research is not limited to how the basin will react to an earthquake in the immediate Las Vegas area; it also studies how ground motion from distant seismic events will affect the valley.

"If a large earthquake occurs within 150 kilometers of Las Vegas, it's going to shake us pretty good and possibly cause some drastic results," says Snelson. "It's much more likely that we will experience a quake like that in our lifetime than we will one in our valley."

Snelson is quick to point out, however, that although her research does not suggest a greater likelihood of a large earthquake occurring in the Las Vegas Valley, there really is no way of knowing when one might hit. "Every place has a local hazard, and earthquakes just happen to be one of ours," she said. "We may have been lucky so far, but we can't expect that our luck will always hold out."



■ **Raymond Alden III**, who has served as UNLV provost for nearly three years, has been promoted to the position of executive vice president and provost. Alden will be responsible for overseeing more of the daily internal university operations, allowing UNLV President Carol C. Harter to devote more time to university-community relations. As provost, Alden already is the university's chief academic officer, overseeing UNLV's colleges, professional schools, and libraries. Alden joined UNLV in 1997 as dean of the College of Sciences.

■ **Eric Sandgren** was selected as dean of the Howard R. Hughes College of Engineering. Sandgren was the founding chair of Virginia Commonwealth University's mechanical engineering program. Sandgren has been a mechanical engineering professor at VCU since 1997. From 1990 to 1997, he was director of advanced engineering at TRW Steering and Suspension Systems in Sterling Heights, Mich. He previously taught at Purdue University and the University of Missouri, Columbia. He also has been a consultant for numerous companies, including General Motors, General Electric, IBM, and Xerox.

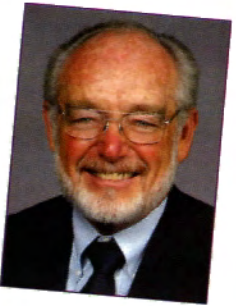
■ **Ronald E. Yasbin** is the new dean of the College of Sciences. Yasbin had been a professor of molecular and cell biology at the University of Texas at Dallas since 1995 and previously taught at the University of Maryland, Baltimore, the University of Rochester's School of Medicine and Dentistry, and at Penn State University. He earned his bachelor's degree in zoology from Penn State, a master's degree in genetics from Cornell University, and a doctoral degree in microbiology from the University of Rochester.



■ History professor **Joseph "Andy" Fry** was named a UNLV distinguished professor, the highest honor awarded to a faculty member. Nominees must demonstrate extraordinary qualities both as teachers and scholars while achieving national and international recognition in their fields. Fry joined UNLV in 1975 and teaches courses on foreign relations, the history of the South after 1850, and the United States' involvement in Vietnam. A prolific author, he is working on two books. The first is a comparison of the Fulbright Senate Foreign Relations Committee hearings opposing the war in Vietnam and the Stennis Senate Armed Services Preparedness Subcommittee hearings supporting a more vigorous prosecution of the war. The second is a study of the American South and the Vietnam War (see Books, page 9).

■ **Wole Soyinka**, the Elias Ghanem Chair of Creative Writing at UNLV, was the focus of the fall 2002 edition of *Modern Drama*, the preeminent journal for theater criticism. The special issue, titled "Soyinka and Postcolonialism," featured papers and reviews of Soyinka's work by leading scholars in theater theory and criticism.

Coburn Receives Alumni Association's Faculty Award



W. Leon Coburn, associate professor of English, received the UNLV Alumni Association's Outstanding Faculty Award.

"During his long career at UNLV, Dr. Coburn has never let down his standards," said John Irsfeld, chair of the English department. "His career as a teacher is marked by his insistence that students learn no matter how difficult it is for some of them to do so. It takes courage to stand by those standards one holds as inviolable. Dr. Coburn has done that."

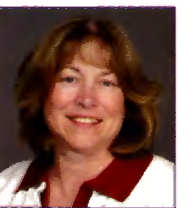
Coburn, who retired in May, joined the campus in 1969 and taught a range of English courses. His research has focused on composition and rhetoric, particularly imitation and modeling in the teaching of writing. He recently completed research on Restoration writers John Dennis and William Congreve.

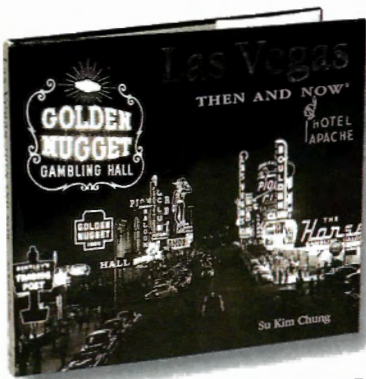
"I can think of no other profession in which the work one does aligns so well with the principles of courtesy, friendship, and civil behavior that make life pleasant," Coburn said. "To be chosen for this award by the board of directors of the Alumni Association is an honor. It is also a surprise, considering the many outstanding faculty with whom it has been my privilege to work for the last 30-odd years."

Coburn served on a variety of campuswide committees and community service groups, including the Southern Nevada Writing Project, National Council of Teachers of English, and the Nevada Humanities Council.

■ Civil engineering professor **David James** received the 2002 Engineer of the Year Award from the Southern Nevada chapter of the National Society of Professional Engineers. The Southern Nevada branch of the American Society of Civil Engineers also named him Engineer of the Year for the Public Sector. The awards were made in recognition of his service to the engineering societies and to the profession.

■ UNLV preschool director **Catherine Lyons** recently received two awards from the Southern Nevada Association for the Education of Young Children. She received the organization's Super Nova Award as preschool director of the year and its Zenith Award for her contributions to the field of early childhood education. Lyons has worked at the UNLV/CSUN preschool for nine years, serving as director for the last seven. The school serves children with and without disabilities, ages 12 months to 5 years. UNLV's new state-of-the-art preschool facility is expected to open in January with expanded programs.





Las Vegas Then and Now

by Su Kim Chung
Thunder Bay Press, 2002

As a manuscripts librarian in the Lied Library's special collections division, Su Kim Chung sees many interesting things, particularly about

Las Vegas, and so was well placed

when a London publisher wanted to add Las Vegas to its series about major American cities.

The book series pairs historical photographs with photographs of the same scene today. Chung had to select only 70 photos from special collection's more than 40,000 images. She then researched what had happened to the buildings photographed.

"I worked with a London-based publishing house whose editor had only been to Las Vegas twice, so his main directive to me was to avoid at all costs a book that consisted of photos of the desert on the 'then' side and photos of giant casinos on the 'now' side," Chung says. "The editors also had problems with the word 'imploded,' which I used in conjunction with captions for the Dunes and the Sands. They kept trying to replace it with more delicate words like 'destroyed' or 'demolished,' but I stuck to my guns and said you couldn't write a book about Las Vegas and NOT use the word 'imploded.'"

"In selecting the photographs, I had to be conscious that every one had to be of a building or scene that could be located and reproduced by the photographer today," Chung continues. "This

sometimes led me to exclude interesting photos because I could not tell by any clues in the photo where it might have been taken. A photo of mules grazing along Boulder Highway was one that I really wanted to use but could not because of this problem."

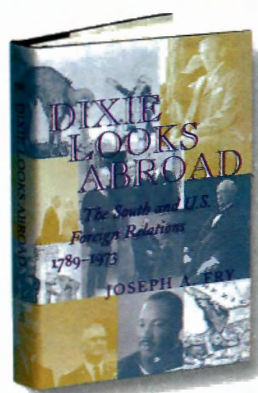
Chung, who has a master's degree in history from California State University, Fresno, and a master's degree in library and information science from UCLA, has been at UNLV since 1999.

Dixie Looks Abroad The South and U.S. Foreign Relations, 1789-1973

by Joseph A. "Andy" Fry
Louisiana State University Press, 2002

In *Dixie Looks Abroad*, history professor Joseph A. "Andy" Fry shows the quality of work that this year earned him recognition as a Distinguished Professor, the top award given by UNLV. Described as a "graceful and engaging narrative," qualities that, together with solid scholarship, earned its selection by the History Book Club, *Dixie Looks Abroad* establishes the South as a major player in U.S. foreign relations.

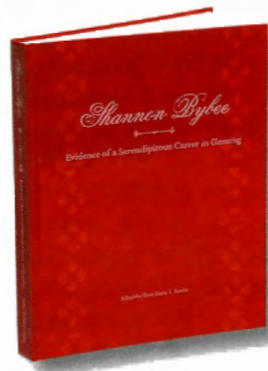
Although Fry grew up on the fringes of the South, it is his fascination with foreign relations, honed when he went to graduate school at the University of Virginia, that has shaped his research. His first book grew out of his dissertation on Henry S. Sanford, "who was a 'career diplomat' before the U.S. government acknowledged such an animal," Fry says. Sanford, minister to Belgium



long career," said Dina Marie Zemke, a doctoral student at the William F. Harrah College of Hotel Administration and editor of the book. "Each selection contains powerful information that every gaming practitioner, regulator, and student can use."

Prior to his appointment at UNLV in August 1994, Bybee worked for more than 20 years in the private sector, serving as president and chief operating officer of United Gaming Inc. (now Alliance Gaming Corp.); chief executive officer and chairman of the board of the Claridge Casino Hotel, Atlantic City; senior vice president of Golden Nugget, Inc.; and president of Golden Nugget Atlantic City Corp., which operated the Golden Nugget Casino Hotel in Atlantic City. He also served on the Nevada Gaming Control Board for more than four years and practiced law with a specialty in gaming regulatory issues.

The book, which was supported in part by a grant from the Ace Denken Company of Tokyo, Japan, can be purchased for \$55 at UNLV's International Gaming Institute, located at the corner of Flamingo Road and Swenson Street, or by calling (702) 895-3903.



Shannon Bybee: Evidence of a Serendipitous Career in Gaming

By Shannon Bybee, 2003
Pearson Custom Publishing

In his new book, Shannon Bybee, a 33-year veteran of the gaming industry, shares his careful observations of the global gaming industry with readers. Bybee is executive director of UNLV's International Gaming Institute and teaches at the William S. Boyd School of Law.

Arranged in six sections, the book covers a variety of topics, from the history of the gaming industry to the management and regulatory practices of casino operations to the issue of problem gambling. Also included are examples of Bybee's commitment to civic participation as well as an overview of education and employment prospects for future gaming executives.

"This book contains a diverse sample of the work Dr. Bybee has shared with his many colleagues and students during his

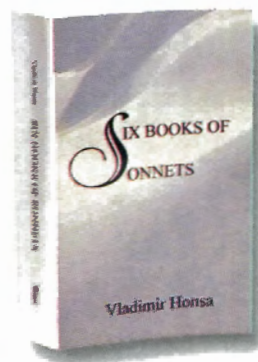
during the Civil War, was deeply involved in what was once known as Belgian Congo.

"Since Sanford was a Northerner, a Republican, and a diplomat, I thought it would be interesting to look at some of the same foreign policy issues from the perspective of John Tyler Morgan, a Southerner from Alabama, a Democrat, and a politician." This decision led to a biography of Morgan. "In the course of understanding Morgan's foreign policy connections, it became apparent to me that there had been no overall attempt to study the South and U.S. foreign relations."

Fry not only sought to fill that gap, he also revived a UNLV course on Southern history.

Reflecting on writing *Dixie Looks Abroad*, Fry says, "I guess the best evidence of the project's interest for me was that although the book was long – too long, in the writing – the topic was so engaging that I never lost interest. It truly remained fun from beginning to end."

Fry's research currently is examining the role of the South in the United State's involvement in Vietnam, another topic that has been the focus of his classroom work.



Six Books of Sonnets

by Vladimir Honsa
1st Book Library, 2000

When an academic retires, he or she does not leave intellectual life behind with the office keys. Many remain active in research or creative activity, continuing to write and publish. Vladimir Honsa, retired professor of Spanish and

linguistics, for example, recently published *Six Books of Sonnets*.

Six Books is actually one volume with more than 700 pages. It opens with Book Six, his most recent works, *Sonnets of Flowers and Butterflies*, written from 1982 to 2000, and concludes with Book One, *Sonnets of the Death of Love*, 1977-1978.

Honsa came to UNLV in 1970 from the University of Southern California, where he had been acting chair of the linguistics department. He held Fulbright professorships in Colombia and Uruguay prior to joining UNLV to teach Spanish and linguistics. He retired in 1988 and still lives in Las Vegas.

At the Margins of Orthodoxy Mission, Governance, and Confessional Politics in Russia's Volga Kama Region, 1827-1905

by Paul W. Werth
Cornell University Press, 2002

History professor Paul Werth's first book delves into the history of Russia beyond its capitals of St. Petersburg and Moscow.

"I was drawn into the curious multi-national region around the confluence of the Volga and Kama rivers," he says. "It didn't take long to realize that there was more than enough material

What's on Your Bedside Table?

It seems that people always have a stack of books beside their beds. Here, people from across campus share their late-night reading materials.

President Carol C. Harter: Her eclectic collection of books includes *Theodore Rex*, a biography of Teddy Roosevelt by Edmund Morris; *BelCanto* by Ann Patchett; *The Language of Leadership* by Roger Soder; *American Myths*, edited by Gary Hausladen; and *September 11, 2001: American Writers Respond*, edited by William Heyen with two notable pieces by UNLV English professors Alike Barnstone and Douglas Unger. "And I always have a whodunit going," Harter says. "Right now it's *Cold Hit* by Linda Fairstein."

Joseph "Andy" Fry: The history professor and UNLV's 2003 Distinguished Professor says he is reading two books that are not directly tied to his scholarship – William Ivy Hair's *The Kingfish and His Realm: The Life and Times of Huey A. Long*, and George Carlin's *Napalm and Silly Putty*. Next on his list is Jared Diamond's *Guns, Germs and Steel: The Fates of Human Societies*.

Jeff Koep: "Look, no plays!" quips Koep, dean of the College of Fine Arts and professor of theater. He recently reread Joyce Carol Oates' *Foxfire* and is ready to tackle *Army at Dawn, Vol. 1* by Rick Atkinson and *The 12 Greatest Rounds of Boxing* by Ferdie Pacheco, M.D. He also plans to read *The Trials of Lenny Bruce* by R. Collins and D. Skover before he directs the play *Lenny* for the Nevada Conservatory Theatre at UNLV Feb. 6-15.

to sustain a decent dissertation on confessional politics in the region."

The Volga and Kama rivers come together in the Republic of Tatarstan, in the center of the Russian Federation. Kazan, on the Volga, is its principal city, and Werth traveled there, as well as to the central Russian historical archives in St. Petersburg.

"Probably the most interesting story about this is that I met my wife in doing this research," Werth said. His wife, Elizaveta Zueva, worked in the St. Petersburg archives, and they were thus thrown together frequently as she assisted in finding materials for his research. They have been in Las Vegas since 1999 and have a son.

Werth also spent seven months in 2001 researching a larger study of religious tolerance in Russia; it's tentatively titled *Arbiters of the Sacred: Foreign Confessions and Religious Toleration in the Russian Empire, 1772-1914*.

The Books section was compiled by Barbara Cloud, UNLV's associate provost for academic affairs. She is also the editor of *Minister to the Cherokees: A Civil War Autobiography* by James Anderson Slover.

UNLV men's golf coach Dwaine Knight was inducted into the Golf Coaches Association of America's Hall of Fame earlier this year, making him the first UNLV coach to be selected for a major sports hall of fame.

Knight's 26-year coaching career includes many accomplishments on the course, including an NCAA championship in 1998 and consistent top-10 national rankings. But he's also known for demanding that his players succeed in the classroom. *UNLV Magazine* sat down with Knight as he was preparing his team to compete in the NCAA championship tournament in May (the team placed 13th).

You're certainly in elite company in the GCAA Hall of Fame. To what do you attribute your success?

You can put a lot of pieces in place, but unless you have community support and great players, you can't win tournaments. The golf community has opened up its world-class courses to us, which allowed us to attract top players. And we're now at almost \$4 million in endowments – that takes care of scholarships, travel, academic support, and recruiting. What they've given to the program gave us a chance to be competitive at the highest level, to be able to produce contenders year in and year out.

What has the community gotten in return for its support?

One of the promises the program held when I first came was that if we could become a major player in golf, we'd open up a window to who we are as a community and as a university. I get a chance to tell the story of not just the gaming side of Las Vegas, but the community itself and what it stands for as a place to live and get an education. Once you become competitive at a national level, people seek out that story – they want to know how you did it. They want to know how your university is helping its community solve its problems.

The people we bring here make an impact on the community. Some go on to play professionally and carry the label of UNLV with them across the world. And many of those who don't play after college choose to stay here. Some are working in the industry. Daron Dorsey is now a graduate of UNLV's law school and practices locally.

Golfers seem to have a remarkable memory for every shot they take. What stands out for you?

The shot I remember the most over my 26 years of coaching wasn't really a shot; it was a penalty (stroke) during the national championship we won in 1998. Bill Lunde hit his ball left on number 10 into a spot where people couldn't actually see him or his ball. As he addressed the ball, it moved. He replaced it and then hit it out and finished with a six. When he saw the score posted at a five, he realized that the scorer hadn't seen the ball move and he immediately corrected the score. We were head-to-head with Clemson and nobody saw what happened. That one stroke could have cost us the championship, but he still called it on himself. I think that speaks to playing with integrity and honesty – that's something I hope all my players do.

And when they don't?

I had a player early in my career here who would have been eligible to play his whole senior year even if he made all F's. He decided he wanted to just work on his golf game and not go to class. He was our best player – one of my first All-Americans here – but I told him that I expected him to go to class and succeed in class; if he didn't, I wouldn't play him. He quit the team after that. It was hard on the team but they pulled together, and even went out and won the very next tournament.

That decision set a tone here. People – players – can remember that and know I wouldn't hesitate to not play them if they weren't going to class.

You have a reputation for emphasizing the "student" part of "student-athlete." Why is that?

When I was a player at (the University of) New Mexico, my coach, Dick McGuire, encouraged me to finish my degree even though it meant putting off my ability to play on the (PGA) Tour. Years later, he called me when he was getting ready to retire. I was struggling to make cuts as a professional and he thought I'd enjoy coaching. First thing they asked me when I put in my application was, "Do you have a college degree?" That hit me like a ton of bricks. My degree opened the door to a wonderful career. I tell that story every time I sit down with parents and prospects.

I'm pretty proud of the fact that, of the students who have completed their four years of eligibility here, only three have not graduated. I think when these athletes do play professionally, it takes some pressure off them knowing that they can do other things if that doesn't work out.

What's your advice for alumni who want to encourage their kids to play?

You hear it a lot, but to be successful and to make the commitment it takes for excellence in any sport, you really have to have a passion for it. That passion gives you the energy and discipline to reach your dreams. So, you have to give kids a chance to find their own passion.

And, I think you have to give them support through the ups and downs. You know, through the recruitment process I was close to Tiger (Woods), and I always admired his parents because, truly, the score didn't matter. All they asked of him was to do his best every time he walked out there. That gave him a chance to fail, fail safely, and rebound. It allowed his confidence to grow. He's the greatest athlete right now in the world and I think it goes back to that unconditional support. Greatness comes from that.

Any advice for the weekend golfer?

Work on your short game. Recreational golfers have limited time, and they always want to hit the ball a long way. That feels great, but they need to ration their time. They should spend 45 minutes on pitching, putting, and sandplay, and just 15 minutes on the long game. Most people do it the other way around. 🏌️

Rebels To Watch

PGA Tour

Chad Campbell, 1994-96
Chris Riley, 1992-96
Skip Kendall, 1982-86
Adam Scott, 1998-99

European Tour

Michael Kirk, 1998-00

Gateway Tour

Bill Lunde, 1993-98
Chris Berry, 1995-99
Warren Schutte, 1989-93
Scott Lander, 1996-01

Canadian Tour

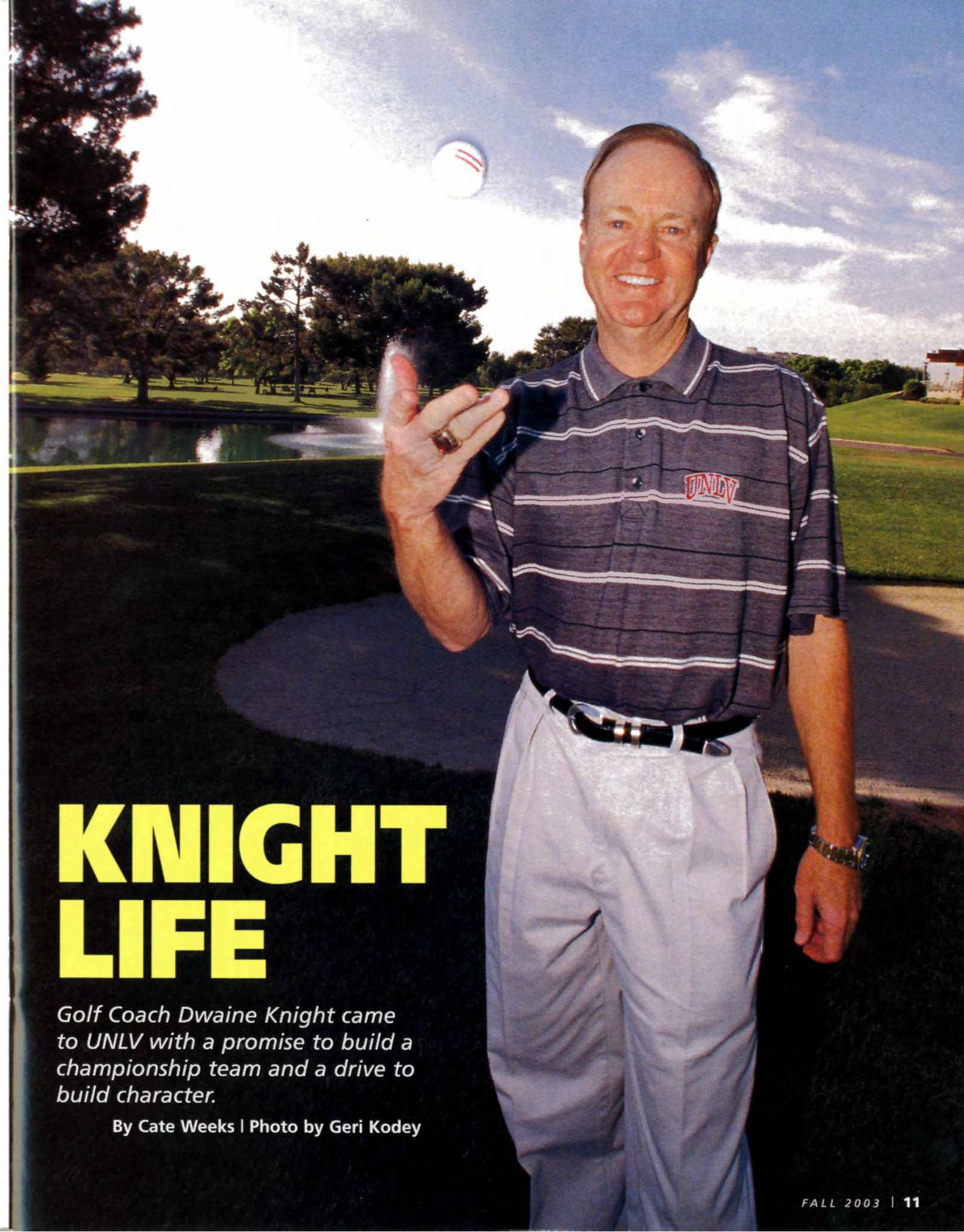
Warren Schutte, 1989-93

Nationwide Tour

Charley Hoffman, 1995-99

Asian Tour

Gilberto Morales, 1993-97
Ted Oh, 1995-97
James Oh, 2000-01



KNIGHT LIFE

Golf Coach Dwaine Knight came to UNLV with a promise to build a championship team and a drive to build character.

By Cate Weeks | Photo by Geri Kodey



Dental Detectives

UNLV's top forensic experts are training the next generation of dentists to use their skills to battle both crime and terrorism.

By Barbara Cloud | Photos by Geri Kodey

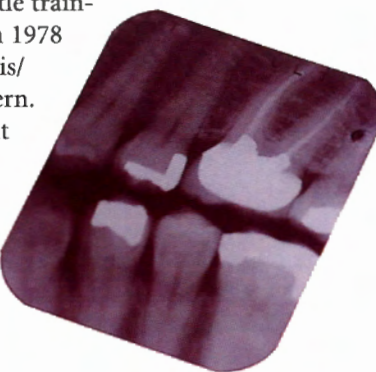
A trench-coated bloodhound named McGruff urges citizens to "Take a Bite out of Crime," but few realize how much biting is a part of crime.

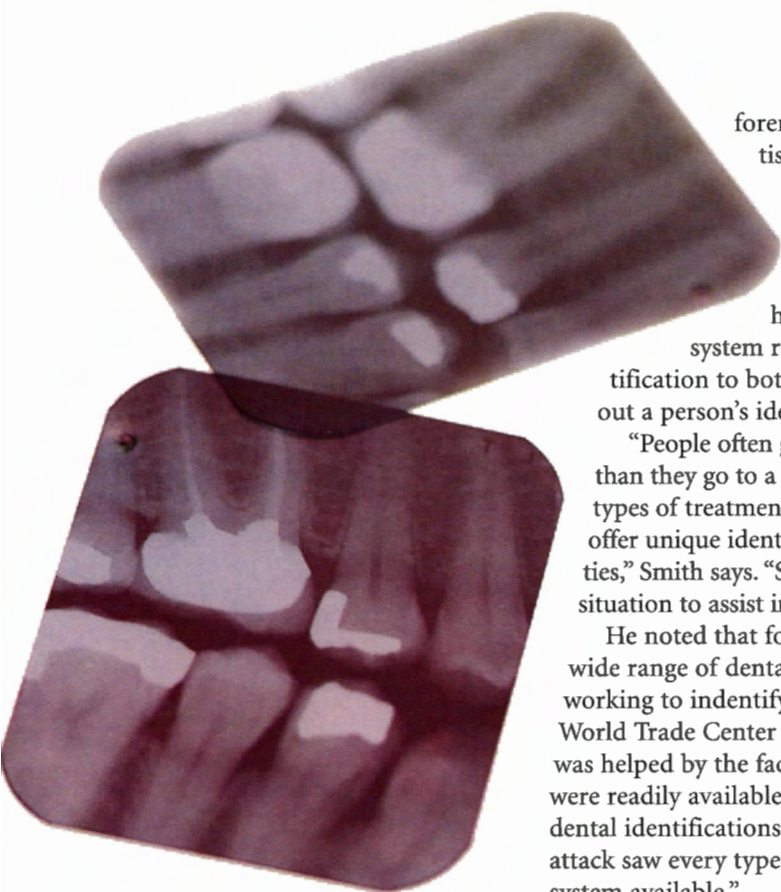
Using bite marks to track criminals is the challenge for forensic dentists associated with the UNLV School of Dental Medicine: Dr. Steven Smith, associate dean for clinical services; Dr. Marden Alder, an expert in dental diagnostics; and Dr. David Ord, director of dental informatics.

They believe that, whether it is identifying victims of a hotel fire, working domestic violence cases, or tracking teeth marks left at the scene of a murder, dentists with training in forensics have become a valuable asset to law enforcement and have a growing role in the war against terrorism. At UNLV, the group is infusing the dental school curriculum with comprehensive instruction in forensic techniques.

Smith developed an interest in forensic dentistry in the late 1970s, when little training on the subject was available. "In 1978 I was a member of the oral diagnosis/oral medicine faculty at Northwestern. Patient folders containing treatment

Drs. Marden Alder, David Ord, and Steven Smith are infusing the UNLV School of Dental Medicine's curriculum with instruction in forensic dentistry techniques.





forensics is based on statistics. While it is possible for two people to have identical dentition, the odds against it are so high that the legal system relies on dental identification to both confirm and rule out a person's identity.

"People often go to a dentist more than they go to a physician, and the types of treatment dentists provide offer unique identification opportunities," Smith says. "So, we are in a prime situation to assist in identification."

He noted that forensic dentists saw a wide range of dental techniques when working to identify victims of the World Trade Center attack. Identification was helped by the fact that dental records were readily available. "Those making dental identifications of victims of the attack saw every type of tooth implant system available."

Smith sees a growing role for dentists in national security. To ensure correct identification, bodies from Operation Iraqi Freedom were processed forensically – including the use of dental records – not just by reading dog tags, Smith says. He also predicts dentistry will play an increasing role in responding to bioterrorism and other catastrophic events.

A recent American Dental Association conference addressed the concern that not enough medical doctors are available to handle a major terrorism attack. "We have 165,000 dentists who could assist," Smith says. "Dentists can give injections, suture tissue, and administer medications. We need to make sure that our dental school graduates are properly trained for this kind of work."

But most often, UNLV's dental graduates are likely to be called upon to help police investigators in violent crime cases. Each dental educator has chilling stories to tell about the cases he has worked. They use the stories, together with pictures both graphic and gruesome, during instruction of future dentists.

"I am surprised that people are so interested in forensics," Smith says, shaking his head. "They ask me, 'How can you see this terrible stuff?' Yet these same peo-

ple are glued to *CSI: Las Vegas*. They also thrive on Patricia Cornwall's mystery novels – she does a pretty good job of authentically portraying forensic investigations."

Dentists, skilled in making casts of mouths in order to replace teeth, can use their experience to cast evidence otherwise prone to disintegrate.

Take pizza, for example.

In one particularly ugly Chicago murder case, two carpenters building a deck on an executive's home carefully observed her comings and goings. After completing the job, they returned one day with a truck and were in the process of loading it with her belongings when she came home unexpectedly. After duct-taping her to the floor and killing her, they went on with their loading.

As they hoisted a freezer into their truck, a door came open and a couple of frozen pizzas fell out. They decided to take a lunch break, cooked the pizza, and ate it at a table they had placed over the woman's body, leaving partly chewed pizza crusts scattered around the body.

Enter the forensic dentist.

Smith researched pizza-eating habits and made plaster models of the crusts to use as evidence in court after the original pieces disintegrated. He was able to show that the bite patterns on the crusts matched the murderers' teeth.

More often, however, it is bites on people that lead investigators to the perpetrators in a criminal case. "In a rape, there is almost always some biting," Smith says, either by the victim or by the rapist.

He recalled a rape and murder in an affluent Seattle suburb. The murderer followed a recently widowed woman home. She was later found with multiple stab wounds from multiple weapons. "The murderer also put a Clue game next to the victim's head, teasing the investigators to figure out where she was killed because blood stained the white carpet throughout the house," Smith says. "Police had the weapons – a screwdriver, a knife, a corkscrew, and a hammer – but nothing really to tie this to a suspect. When all was said and done, the only identifying mark was a human bite."

Still, sometimes a bite is not a bite.

In one of Smith's cases a victim had been stomped to death and appeared to

have a lot of small bite marks on his body. "It turned out that the heel on the murderer's shoe had broken off and the nails were exposed. That's what made the marks that looked like bites," he says.

Hardware also figured into a malpractice investigation that Smith was asked to assist using his forensic skills. A dentist had done a root canal but had run out of the small posts normally used to form the foundation for a crown. "So he went to his tool box and came back with a wood screw and built a crown preparation around the screw," Smith says. "Unfortunately, the crown loosened, and saliva got in and rusted the screw. The person died of a brain abscess."

Alder remembers a case in which a dentist used a magic marker to draw "cavities" on the X-rays of a 6-year-old. Fortunately the child's mother had already taken the boy to another dentist who had pronounced his mouth free of cavities based on another set of X-rays. Suspicious of the sudden deterioration of the boy's teeth, the mother complained to authorities, and the fraud was discovered. Alder ties this example into his instruction.

"We want our students to be good dental diagnosticians," he says, "able to recognize abnormalities such as the difference between real and fake cavities on an X-ray." He added that this also helps students recognize when the patient should consult a specialist.

As part of that training, future dentists must make use of computer technology. Already dentists and law enforcement officers are exchanging dental records electronically.

Dr. David Ord, director of dental informatics and applied technology, says the potential for sharing information has barely been tapped. The school's emphasis on using technology in the field will result in students who are better prepared to practice, he says.

"On a national level, we're working to improve our ability to transmit electronically so forensic teams have immediate access to the records when they are working crash sites or death investigations," he says. "In the future, there will be software to maintain a database of dental records on missing people. UNLV is fortunate in that there are more experts in forensic

odontology here than any other place in the nation."

Dr. Edward Herschaft, a dentist noted for his forensic work, joined the UNLV faculty this fall. In addition, Dr. Ray Rawson, '64 BS Zoology and '78 BS Anthropology, is a local dental forensic expert who has worked on a number of high-profile criminal cases as well as the 1980 MGM Grand fire. The state senator also teaches at UNLV and at the Community College of Southern Nevada.

In such an atmosphere, the dental school is well positioned to provide cutting-edge forensic dentistry education. The school is new and not set in traditional ways. Its emphasis on an integrated curriculum is attracting both top-notch stu-

dents and faculty, Alder says. "Most dental schools are compartmentalized; UNLV is vertically and horizontally integrated. We will turn out well-rounded practitioners able to hit the ground running."

But, to speak of forensic dentistry as a specialty of its own, like orthodontics, is misleading, says Alder.

"One of the misconceptions among students and dentists alike is that you can 'go into' forensic dentistry," says Alder. "There are only a handful of people across the nation who can make a living in forensic dentistry. It has to be an adjunct to a regular dental practice, so it is important that dentists learn what to do and then pool their skills as a team to do the identification or whatever is required." ■



In addition to the more routine dental procedures, students such as Casey Allman are learning how to use their skills to assist law enforcement agencies and identify victims of mass tragedies. The dental school emphasizes the need for students to use computer technology to enhance their future practices and improve the sharing of vital forensics information.

From Bad to Good

While the word 'nuclear' makes many shudder, ambitious UNLV scientists are seeking ways to eliminate the harmful byproducts of spent nuclear fuel.

In a speech to the United Nations in 1953, Dwight D. Eisenhower outlined his vision for nuclear energy, stating that the most important responsibility for the new science was to "devise methods whereby this fissionable material would be allocated to serve the needs of mankind ... of agriculture, medicine, and other peaceful purposes."

Despite numerous advances toward this end, nuclear power still evokes for many the catastrophic images of Hiroshima and Nagasaki, the accidents at Three Mile Island and Chernobyl, and, here in Nevada, the possibility of becoming a dumping ground for the rest of the country's nuclear waste.

But scientists and students at UNLV are developing technologies that could improve nuclear energy's tainted reputation — research that could lead to real solutions for the nuclear industry's most contentious problems while producing the benefits Eisenhower once imagined.

Alternatives to Deep Storage Facilities

Established in 2001 with a \$3 million grant from the U.S. Department of Energy, UNLV's Transmutation Research Program (TRP) is a multidisciplinary effort to address the ecological and economical management of the country's used nuclear fuel. Spanning six departments in three colleges and involving more than 30 faculty members and 37 graduate students, the TRP is one of the most ambitious research efforts in the university's history.

The program, which is administered by the Harry Reid Center for Environmental Studies (HRC), is a component of the Advanced Fuel Cycle Initiative, a national program born out of the Los Alamos National Laboratory in New Mexico. The

TRP currently supports 16 separate graduate research projects, called tasks, that examine the technological requirements of a process called *nuclear transmutation*.

Simply defined, nuclear transmutation converts volatile, radioactive isotopes into more stable isotopes by changing their nuclear structure. This is done through neutron-induced fission or neutron-capture processes conducted in nuclear reactors or particle accelerators. The result of both fission and neutron capture in problematic isotopes is the same: the transformation of the most dangerous materials in used nuclear fuel (plutonium and other fissile materials) into safer, more stable, low-level waste, which could then be more easily managed,

recycled, eliminated, or harnessed for other applications.

"Ultimately, the end result of the transmutation process is to recycle the used nuclear fuel and, at the same time, almost totally eliminate its most hazardous materials," says Denis Beller, intercollegiate programs coordinator for the TRP and a former research scientist at Los Alamos. "In doing so, we'll be able to decrease the overall volume of waste, lower the remaining waste's radiotoxicity, and make the storage of the material much more secure and economical."

Through transmutation, the life span of the most problematic materials (long-lived actinides) in nuclear waste could be reduced by as much as 95 percent —

from roughly 10,000 years to fewer than 500 — thereby eliminating many of the current long-term environmental and safety concerns.

"Transmutation has the potential for completely doing away with the need for a deep geologic repository like Yucca Mountain," says Anthony Hechanova, a nuclear engineer and director of the TRP. "It just depends how far you want to go with the process. There are some concepts that look at having all waste streams classified as low-level, which would allow for their disposal at any of the many low-level waste sites around the country."

But some significant technological obstacles must be overcome before transmutation can become reality. The

research tasks the TRP has taken on are addressing some of the technical hurdles of transmutation:

- Two tasks focus on the separation of uranium and other stable elements from used nuclear fuel rods.
- Four tasks examine the fuel fabrication process that prepares some of the fission products for transmutation.
- 10 tasks are concerned with the design of specific technologies required to transmute high-level radioactive waste.

Students and faculty from the mechanical engineering, computer and electrical engineering, physics, health physics, chemistry, and geoscience departments are conducting the research. National laboratory collaborators supervise the projects during

By Gian Galassi
Photos by Geri Kodey

Anthony Hechanova, director of UNLV's Transmutation Research Program, hopes that UNLV researchers and students will develop ways to transform the most dangerous materials in used nuclear fuel into safer, more stable waste that can be easily stored or recycled.

Like alcoholism, pathological gambling is a devastating addiction that quickly and quietly sends the afflicted toward rock bottom. UNLV professors and alumni are leading the nation in research of the widely misunderstood problem.

By Cate Weeks | Photos by Geri Kodey

GOING FOR BROKE



Picture your average gambling addict. It's not necessarily the flashy guy at the craps table, hooked on the rush of shooting the dice and looking to get rich quick. It's the woman in front of the video poker machine – the successful Realtor next door, your child's teacher, or the bank vice president who approved your home loan. She's robotically hitting the "Bet All" key as she squeezes in an hour of gambling before she picks up her son at soccer.

As she spirals deeper into her addiction, no one the wiser, she'll steal from her son's college fund. She'll get credit cards in her husband's name and then hide the bills from him. She may even embezzle from

Bo Bernhard, director of gaming studies, uses the casino laboratory at the International Gaming Institute on campus to study problem gambling behavior.

her longtime employer, thinking she'll repay the money the next time she wins. When she hits rock bottom, in just a couple of years, she'll be thousands upon thousands of dollars in debt and will have few places to go for help.

"By and large, the thrill-seeking problem gambler is an endangered species," says Bo Bernhard, a UNLV sociology and hotel administration professor. "Most gambling addicts now are escapists. They don't engage in these behaviors to feel great; they do it to feel numb. They often want to escape from family issues or workplace stresses. All of us need moments of escape in our lives, but for pathological gamblers, this desire turns destructive."

Old Stereotypes, New Research

As director of gambling research at the William F. Harrah College of Hotel Administration, Bernhard studies gambling

behavior, including the relatively new field of gambling addiction. He points to two statistics that are pushing problem gambling research to the forefront:

- More money is wagered on gambling than is spent on sports tickets, movies, music events, and video games combined.
- 48 states have approved some form of gambling in their jurisdictions.

"Nevada is no longer the lone wolf it was when I was growing up here," says Bernhard ('02 Ph.D. Sociology). "Not only do we have more access to gambling than perhaps ever before, we also have more access to money that technically is not ours – through credit in its various configurations. It only makes sense that we invest some energy in increasing our understanding of the impact of gambling, both positive and negative."

Nature or Nurture?

In the young field of problem gambling, researchers can't yet offer solid statistics on the social and economic toll that problem gambling takes on society. Nor do they know why, for certain people, gambling becomes a destructive obsession rather than a simple pastime. Because the field is so new, widely accepted data is not available on the prevalence rates, that is, the number of gamblers who have a pathological problem. Various studies estimate that to be between 1 and 6 percent of all people who gamble. By comparison, the prevalence rate for alcoholism is 6 percent.

"There's an old stereotype that gambling addicts are born losers or masochistic accidents waiting to happen – nothing could be further from the truth," says psychologist Rob Hunter ('76 BA Psychology). "Some of the brightest, most energetic, competent people I've ever met I had in

that room,” he said, referring to the group meeting room at the Center for Problem Gambling.

Along with Bernhard and sociology professor Fred Preston, Hunter launched the center in 1998. It is the only full-service non-profit treatment center in Las Vegas for gambling addicts.

The six-week program employs a combination of educational therapy, peer counseling, and individual therapy. Its participants are required to attend the support group Gamblers Anonymous, and they receive a year of aftercare therapy sessions.

Bernhard and Preston serve as research associates. Their knowledge helps clients understand and cope with their addictions. The center’s Thursday night information session offers clients and their families a chance to learn more about the affliction from the UNLV professors. At one recent session, a female realty executive posed this question:

“I was around drugs in the ’60s. I’ve been a social drinker without a problem. I’ve lived in Las Vegas all my life and didn’t gamble until recently. Why didn’t I become addicted to something else? And why, only now, has this addictive behavior come out?”

Part of the answer, Bernhard says, appears to lie in brain chemistry. “A lot of academics posit that there are a number of individuals in the population who just can’t gamble, just as there are some who just can’t drink. Though my training and sympathies are on the ‘nurture’ side, I’ve come to believe that some of that probably has to do with programming at the factory. In problem gamblers, the brain experiences gambling as a reward in much the same way that cocaine addicts experience cocaine ingestion as a reward.”

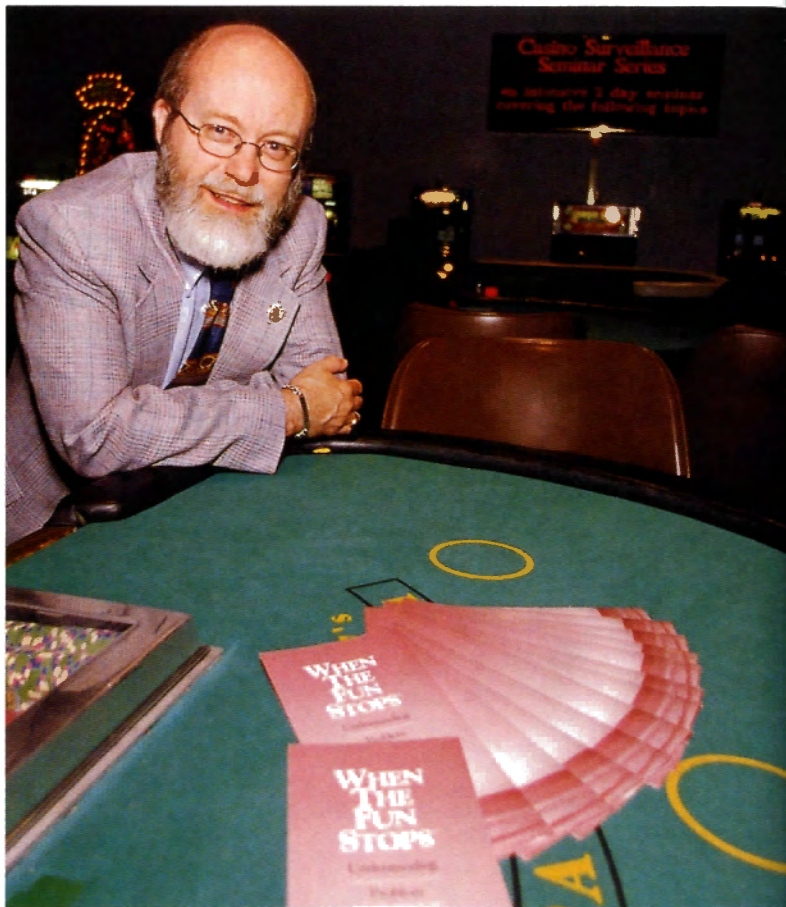
The casino lab in the Stan Fulton Building at UNLV will be an exceptionally useful tool in this kind of research, he adds. Generally, studies on gambling behavior have used computer card games to simulate the activity. “In contrast to previous studies, many of which have been conducted with desktop computers, we can approximate the real-life gambling experience in a far more sophisticated way.”

Moving up from the molecular/brain chemistry level, Bernhard believes that there are psychological and small-group issues affecting pathological gambling. Studies have focused on the distorted cognitive process of pathological gamblers, comparing their urge to bet with the desire felt by the general population. And the affects of problem gambling on interpersonal relationships have been studied.

The sociological factors, however, are the least studied, Bernhard says. Only in recent decades has problem gambling been considered a medical problem. For centuries, the issue was left to society’s moral experts.

“Special collections at the Lied Library is filled with an amazing collection of old sermons – angry voices from the pulpit who for years have been telling us how to define, diagnose, and treat problem gamblers. Their treatment, quite often, was to ostracize and vilify the afflicted.

“Now medical and psychological experts provide this knowledge, but their 20 years or so of work hasn’t somehow erased the centuries of moral stigmatization. In this instance, an individual’s suffering is profoundly affected by sociological forces far larger than those we tend to consider.”



Counseling professor Larry Ashley is leading UNLV’s academic programs in gambling addictions. Some of the area’s gambling addicts are finding help through resource brochures available in casinos.

Educating the Experts:

UNLV Offers Cutting-edge Academic Program

Twenty years of research also has not given communities enough time to develop the resources necessary to treat problem gamblers, says Larry Ashley, a counseling professor and coordinator of UNLV’s programs in additions therapy. This fall, UNLV will offer the first formal academic program for problem gambling therapists in the country.

The counseling department is designing a certification program for graduate students as well as a six-course undergraduate minor for students across campus.

“The minor will offer a foundation for people who want to practice in this area, as well as offer a broad range of students – including those planning careers in the hotel industry, human resources, and any of the human service disciplines – insight into these issues,” Ashley said.

He patterned the minor in problem gambling after the National Council on Problem Gambling’s certification requirements. Eventually, completion of the minor will satisfy the education requirements of the council’s certification. “Previously, there’s been no formal academic training for gambling addictions therapists – it’s like we were supposed to get it by osmosis,” he says.

He added that, until this year, therapists in Nevada were not required to attend the workshops or show any expertise in the field of treating problem gamblers. This spring the Nevada Legislature established a licensing program for problem gambling counselors.

“I feel very strongly that academic training is a must before anyone treats problem gamblers,” Ashley said. “Just because you’ve worked in the human service field, or even specifically in the addictions field, doesn’t mean you’re competent to treat this population of clients.”

Problem gamblers have such unique characteristics that their treatment must be specialized, he says. Diagnosing the pathological gambler can be particularly difficult without proper training.

“Pathological gamblers become pros at hiding their addiction,” Ashley says. “A couple might come in for counseling because of marital discord or an addict may be depressed and appear bipolar, but that might all be related to significant gambling issues.”

Bernhard added, “Alcoholics have physical signs. They show up at the school play drunk, or their coworkers will notice the smell of alcohol. For gambling addicts, invisibility is a luxury that turns out to be a curse. This can mean that ‘rock bottom’ hits after tremendous personal and financial damage has occurred because the people in their lives don’t intervene as soon. As this field develops, we hope to reach people when this is at the I-just-had-a-fight-with-my-wife stage, rather than I’ve-lost-my-family stage.”

Reaching addicts sooner will take both awareness campaigns



Alumnus Rob Hunter launched Southern Nevada’s only non-profit treatment center for gambling addicts with the help of UNLV faculty and financial support from casino companies.

and an investment in treatment programs, the experts say, and Nevada is sadly lacking in both. Facing severe budget and tax issues in its most recent session, the state Legislature did not pass a bill that would have set aside \$250,000 for problem gambling treatment. By contrast, Louisiana spent more than \$2 million last year.

“I understand, of course, the number of economic challenges this state faces, but I’m still embarrassed as a Nevadan that we have never spent a dollar to help treat this issue,” says Bernhard, a fifth-generation Las Vegas. “Nevada sets the bar for every aspect of the gaming world, except problem gambling.”

The lack of funding for treatment only compounds the gambling addict’s problems, Hunter says. His treatment center, which typically has a lengthy waiting list, doesn’t charge for its services.

“This is a population that by definition doesn’t have money to pay for treatment,” he says. “By the time they get here, they’re not only broke, but frequently heavily in debt – even the doctors and the lawyers.”

The center has kept its doors open through an array of corporate donations, most notably from Station Casinos and IGT, a manufacturer of gaming equipment. IGT employees also attend the information sessions at the center.

“Many in the gaming industry are taking a proactive approach and trying to avoid the model set by other industries that have denied that there are any social costs associated with their product,” Bernhard says. “Of course, there has never been a product in all of history that doesn’t hurt a part of its clientele in some way.”

The Best Place for Treatment

In a sense, Nevada is the best place to get treatment, the experts say. The state has experienced providers who pioneered treatment of gambling addicts as well as a growing group of UNLV scholars tackling the issue. There’s also an active Gamblers Anonymous support community. There are more than 100 weekly GA meetings for Clark County’s 1.5 million residents, compared to Atlanta, which has eight meetings to serve its population of 4.2 million.

“When it comes down to it,” Hunter says, “being a problem gambler in Las Vegas with its convenience store slot machines is no different than being an alcoholic and having to walk by the liquor department every time you need a loaf of bread.”

And Hunter, Bernhard, and Ashley all agree that, although problem gambling has real social and economic costs that must be addressed through enhanced treatment programs, gambling in itself isn’t a bad thing.

“As gambling moves into the mainstream, into the heartland of the country, problem gambling will follow,” Hunter says. “But that doesn’t condemn the industry – Coors didn’t invent alcoholism and I don’t think slot-machine makers invented problem gambling.”

“I feel the native Las Vegas in me come out every time I address this,” says Bernhard. “I believe we should have the right to choose our recreational activities. For the vast majority, gambling is a fun and harmless activity. As a community, though, we have to address the downside just as we do with drug and alcohol problems. If you spend any time with this population, you can see that this is an issue that affects all of us. They deserve our attention and support.”

ALUMNI ASSOCIATION EVENTS

- Sept. 13** Tailgate, Wisconsin away game, 9am CST. Game starts 11am CST. Event in Madison, Wisc.
- Sept. 19** Tailgate, Hawaii game, 4pm. Game starts 6pm. Rebel Experience/Sam Boyd Stadium.
- Sept. 20** Dinner Theater, *Annie Get Your Gun*. 6pm. Tam Alumni Center.
- Oct. 4** Tailgate, UNR game, 5pm. Game starts 7pm. Rebel Experience/Sam Boyd Stadium.
- Oct. 17** Homecoming Dinner, featuring Coach John Robinson. 5:30pm. Tam Alumni Center.
- Oct. 18** Homecoming Tailgate, Utah game. Three hours before kickoff (TBA). Rebel Experience/Sam Boyd Stadium. Catered by Applebee's.
- Oct. 20** Homecoming Golf Tournament. Canyon Gate Country Club. Includes dinner.
- Oct. 25** Tailgate, BYU game, 2pm. Game starts 4pm. Rebel Experience/Sam Boyd Stadium.
- Nov. 7** Dinner Theater, *Macbeth*. 6pm. Tam Alumni Center.
- Nov. 8** Tailgate, San Diego State game. Two hours before kickoff (TBA). Rebel Experience/Sam Boyd Stadium.
- Nov. 13** Winetasting event, sponsored by Frekin' Frog Beer & Wine Cafe. 6pm. Tam Alumni Center.
- Nov. 12** Tailgate, Colorado State game, 6pm. Game starts 7pm. Rebel Experience/Sam Boyd Stadium.

For event information and ticket prices, call the
UNLV Alumni Association
 at (702) 895-3621 or (800) 829-2586

September

- 5 Best of the New York Stage:** Ben Vereen in Concert. 8pm. Ham Concert Hall. 895-2787 or 739-3267.
- 12 World Stage:** Krasnoyarsk Siberian Music and Dance Ensemble. 8pm. Ham Concert Hall. 895-2787 or 739-3267.
- 12-14 Opera Las Vegas:** 8pm. Beam Music Center. 895-3332.
- 12,14 Women's Soccer:** Tournament. Call for times. Johann Field. 895-3267.
- 12 Reception:** Nevada Entertainer/Artist Hall of Fame Black Tie Reception. 6pm. Off campus. 895-4292.
- 13 Football:** at Wisconsin. 11am CST. Madison. 895-3267.
- 13 Awards Ceremony:** Nevada Entertainer/Artist Hall of Fame Induction. 6pm. Ham Concert Hall. 895-4292.
- 14 Film:** George Sidney Film Festival. 8am. Ham Concert Hall. 895-3547.
- 15 Exhibit Opening:** George Sidney's celebrity photographs. Donna Beam Fine Art Gallery. Runs through Oct. 4. 895-3893.
- 16 Music:** UNLV Symphony and Jazz Orchestra. 7:30pm. Ham Concert Hall. 895-3332.
- 19 Football:** vs. Hawaii. 6pm. Sam Boyd Stadium. 895-3267.
- 19 Women's Soccer:** at UNR. 6pm. Reno. 895-3267.
- 19-21 Men's Soccer:** Tournament. Johann Field. 895-3267.
- 19-28 Nevada Conservatory Theatre-University Company:** *Annie Get Your Gun*. 2pm Sept. 20-21, 27-28; 7pm Sept. 21; 8pm Sept. 19-20 & 25-27. Judy Bayley Theatre. 895-2787 or 739-3267.
- 21 Women's Soccer:** vs. Northern Arizona. 4pm. Johann Field. 895-3267.
- 21 Music:** Flute Recital featuring Kyle Dzapo. Beam Music Center. 895-3332.

- 26-28 Men's Soccer:** Tournament. Call for times. Johann Field. 895-3267.
- 27 Charles Vanda Master Series:** Opera Verdi Europa in *Rigoletto*. 8pm. Ham Concert Hall. 895-2787 or 739-3267.
- 30 Recital:** Deborah Siebert, soprano. Beam Music Center. 895-3332.

October 2003

- 2 Recital:** UNLV Faculty. 7:30pm. Beam Music Center. 895-3332.
- 3 Women's Soccer:** vs. UCLA. 7:30pm Johann Field. 895-3267.
- 4 Football:** at UNR. 7pm. Reno. 895-3267.
- 4 Las Vegas Philharmonic:** The Spirit of America Concert. 8pm. Ham Concert Hall. 895-2787 or 739-3267.
- 5 Guest Recital:** Ensemble Versailles. 2pm. Beam Music Center. 895-3332.
- 5-6 Recital:** Bassoon. 7:30pm. Beam Music Center. 895-3332.
- 7 Music:** UNLV Wind Orchestra. 7:30pm. Ham Concert Hall. 895-2787 or 739-3267.
- 9 Women's Volleyball:** vs. Air Force. 7pm. Cox Pavilion. 895-3267.
- 10 Best of the New York Stage:** Faith Prince in Concert. 8pm. Ham Concert Hall. 895-2787 or 739-3267.
- 10 Women's Research Institute of Nevada:** Annual Reception. 3pm. Location TBA. 895-4931.
- 10-11 Dance:** Fall Concert. 8pm Oct. 10-11; 2pm Oct. 11. 895-2787.
- 10-26 Nevada Conservatory Theatre:** *How I Learned to Drive*. 2pm Oct. 12, 19 & 26; 8pm Oct. 10-11, 15-18, 22-25. Black Box Theatre. 895-2787 or 739-3267.
- 11 Women's Volleyball:** vs. UNM. 7pm. Cox Pavilion. 895-3267.
- 11 Football:** at Air Force. Time TBA. 895-3267.
- 15 Music:** UNLV Symphony Orchestra with The New Knipropetrovsk Chamber Orchestra. 7:30pm. 895-3332.
- 16 Women's Soccer:** vs. Utah. 7:30pm. Johann Field. 895-3267.
- 18 Football:** Homecoming game vs. Utah. Time TBA. Sam Boyd Stadium. 895-3267.
- 18 Women's Soccer:** vs. BYU. 7:30pm. Johann Field. 895-3267.
- 18 Cross Country:** UNLV Invitational Tournament. Call for times. UNLV Athletic Fields. 895-3267.
- 19 Recital:** Christine Seitz, soprano. 4pm. Beam Music Center. 895-3332.
- 11 Women's Volleyball:** vs. Northern Arizona. 7pm. Cox Pavilion. 895-3267.
- 21 Music:** UNLV Symphony Orchestra. 7:30pm. Ham Concert Hall. 895-3332.
- 22 University Forum:** Jazz Music. 7:30pm. Beam Music Center. 895-3332.
- 23 Men's Soccer:** vs. San Jose State. 7:30pm. Johann Field. 895-3267.
- 24 Music:** 19th Annual Chamber Festival. 4pm & 7pm. Beam Music Center. 895-3332.
- 25 Football:** vs. BYU. 6pm. Sam Boyd Stadium. 895-3267.
- 26 Charles Vanda Master Series:** Prague Chamber Orchestra with the Eroica Trio. 4pm. Ham Concert Hall. 895-2787 or 739-3267.
- 26 Men's Soccer:** vs. Sacramento State. Noon. Johann Field. 895-3267.
- 26 Music:** NEXTET Concert. 6pm. Beam Music Center. 895-2787.
- 28 Women's Volleyball:** at UNR. Times TBA. Reno. 895-3267.
- 28 Music:** Sierra Winds. 7:30pm. Beam Music Center. 895-2787.
- 29-31 Nevada Conservatory Theatre-University Company:** Fall One-Act Play Festival. 8pm (also playing Nov. 1-2). Paul Harris Theatre/Ham Fine Arts Building. 895-2787.
- 31 Music:** UNLV Symphony Orchestra Annual Halloween Pops Concert. 7pm. Ham Concert Hall. 895-2787.

November 2003

- 1-2 Nevada Conservatory Theatre-University Company:** Fall One-Act Play Festival. 8pm Nov. 1; 2pm Nov. 2. Ham Fine Arts Building. 895-2787.
- 1 Women's Soccer:** vs. SDSU. 7:30pm. Johann Field. 895-3267.
- 1 Women's Volleyball:** vs. Colorado State. 7pm. Cox Pavilion. 895-3267.
- 1 Football:** at UNM. 6pm. 895-3267.
- 2 Music:** 76+4 Trombones. 2pm. Ham Concert Hall. 895-2787 or 739-3267.
- 5 Music:** UNLV Community Band. 7pm. Ham Concert Hall. 895-2787.
- 7 Rebel Pride Council:** Family Weekend. 5:30pm. Pida Plaza. 895-1754.
- 7-16 Nevada Conservatory Theatre-University Company:** *Macbeth*. 8pm Nov. 7-8, 13-15; 2pm Nov. 9 & 16. Judy Bayley Theatre. 895-2787 or 739-3267.
- 8 Football:** vs. SDSU. Time TBA. Sam Boyd Stadium. 895-3267.
- 9 Music:** NEXTET Concert. 7:30pm. Beam Music Center. 895-3332.
- 15 Women's Volleyball:** vs. Utah. 7pm. Cox Pavilion. 895-3267.
- 18 Music:** UNLV Wind Orchestra. 7:30pm. Ham Concert Hall. 895-2787 or 739-3267.
- 19 Music:** UNLV Jazz Ensemble. 7:30pm. Judy Bayley Theatre. 895-2787.
- 20-22 Dance:** Fall Studio One Concert. 2pm Nov. 22; 8pm Nov. 20-22. Dance Studio One, Ham Fine Arts Building. 895-2787.
- 21-23 Nevada Conservatory Theatre-University Company:** *Fuddy Meers*. 8pm Nov. 21-22; 2pm Nov. 23 (also playing Dec. 3-7). Ham Fine Arts Building. 895-2787 or 739-3267.
- 21 Charles Vanda Master Series:** Rising Stars of Classical Music, Judith Ingolfsson and the Miami



Best of the New York Stage:
Maureen McGovern
 December 20

String Quartet. 8pm. Ham Concert Hall. 895-2787 or 739-3267.

- 22 Football:** vs. Colorado State. Time TBA. Sam Boyd Stadium. 895-3267.
- 22 Music:** UNLV Madrigal Singers. 7:30pm. Beam Music Center. 895-3332.
- 23 Music:** UNLV Women's Chorus, 2pm. UNLV Men's Glee Concert, 7:30pm. Beam Music Center. 895-3332.
- 25 Music:** UNLV Symphony Orchestra featuring UNLV Chorale. 7:30pm. Ham Concert Hall. 895-2787.
- 29 Football:** at Wyoming. Time TBA. Laramie, Wyo. 895-3267.

December 2003

- 1 Music:** UNLV String Chamber Music. 7:30pm. Beam Music Center. 895-3332.
- 2 Author Luncheon:** featuring Janet Lowe, hosted by College of Business Alumni Assn. 11:30am. Las Vegas Country Club. 895-3362.
- 3 Music:** Opera Preview Concert. 7:30pm. Beam Music Center. 895-3332.
- 3-7 Nevada Conservatory Theatre-University Company:** *Fuddy Meers*. 8pm Dec. 3-6; 2pm Dec. 7. Black Box Theatre. 895-2787 or 739-3267.
- 5 Music:** Chamber Orchestra. 2:15pm. Beam Music Center. 895-3332.
- 5 Best of the New York Stage:** Boys Choir of Harlem. 8pm. Ham Concert Hall. 895-2787 or 739-3267.

- 7 Music:** UNLV Master Singers. 4pm. Beam Music Center. 895-3332.

- 8 Desert Chorale:** Annual Holiday Concert. 7:30pm. Ham Concert Hall. 531-3550.

- 12-21 Nevada Conservatory Theatre:** *Praise!* 8pm. Dec. 12-13 & Dec. 18-20; 2pm Dec. 14 & 21. Judy Bayley Theatre. 895-2787.

- 13-14 Las Vegas Philharmonic:** Holiday Celebration Concert. 8pm Dec. 13; 2pm Dec. 14. Ham Concert Hall. 895-2787 or 739-3267.

- 18 Deseret Book Company:** Forgotten Carols with Michael McLean. 7pm. Ham Concert Hall. 895-2787 or 739-3267.

- 20 Best of the New York Stage:** Maureen McGovern Holiday Concert. 8pm. Ham Concert Hall. 895-2787 or 739-3267.

January

- 22 Music:** UNLV Wind Orchestra. 7:30pm. Ham Concert Hall. 895-2787 or 739-3267.

- 31 The World Stage:** The Chieftains. 8pm. Ham Concert Hall. 895-2787 or 739-3267.

February

- 6-15 Nevada Conservatory Theatre:** *Lenny*. 8pm Feb. 6-7 & 12-14; 2pm Feb. 8 & 15. Judy Bayley Theatre. 895-2787 or 739-3267.

- 9 Faculty Recital:** Janis McKay, bassoon. 7:30pm. Beam Music Center. 895-3332.

- 11 Music:** UNLV Symphony Orchestra. 7:30pm. Ham Concert Hall. 895-2787 or 739-3267.

- 13 The World Stage:** American Spiritual Ensemble. 8pm. Ham Concert Hall. 895-2787 or 739-3267.

- 18 Charles Vanda Master Series:** Moscow Festival Ballet performing *Carmen* and *Paquita*. 8pm. Ham Concert Hall. 895-2787 or 739-3267.

- 19 Reception:** Nevada Business Hall of Fame Awards Dinner. 6pm. MGM Grand Ballroom. 895-3362

- 20 Music:** UNLV Jazz Ensemble. 7:30pm. Ham Concert Hall. 895-2787 or 739-3267.

- 21 Music:** UNLV Symphony Orchestra & Jazz Ensemble. 7:30pm. Ham Concert Hall. 895-2787 or 739-3267.

- 20-22 Nevada Ballet Theater:** *A Streetcar Named Desire*. 8pm Feb. 20-21; 2pm Feb. 21-22. Judy Bayley Theatre. 895-2787 or 739-3267.

- 22 Best of the New York Stage:** Marvin Hamlisch featuring the UNLV Classics and Jazz Orchestra. 4pm. Ham Concert Hall. 895-2787.

- 26 Music:** UNLV Wind Orchestra. 7:30pm. Ham Concert Hall. 895-2787 or 739-3267.

- 27-28 Dance:** Spring Concert. 8pm Feb. 27-28; 2pm Feb. 28. Judy Bayley Theatre. 895-2787.

- 27-29 Nevada Conservatory Theatre-University Company:** *Father Figure*. 8pm Feb. 27-28; 2pm Feb. 29 (also playing March 3-7). Black Box Theatre, Ham Fine Arts Building. 895-2787 or 739-3267.

- 28 Las Vegas Philharmonic:** Northern Exposures Concert. 8pm. Ham Concert Hall. 895-2787 or 739-3267.

INFORMATION

- Athletic Events:** (702) 895-3267
- Campus Operator:** (702) 895-3011
- Campus Tours:** (702) 895-3443
- Arboretum Tours:** (702) 895-3392
- Fine Arts Events:** (702) 895-2787
- Donna Beam Fine Art Gallery:** (702) 895-3893
- Marjorie Barrick Museum of Natural History:** (702) 895-3381
- University Libraries:** (702) 895-2286
- University Infoline:** (702) 895-3131
- UNLVtickets:** (702) 739-3267, toll-free (866) 388-3267, or www.unlvtickets.com

Events are subject to change/cancellation

■ 1970s

Joseph V. Baldini, '70 BS Hotel Administration, is a parts service manager in Tacoma, Wash. He previously worked for 20 years in the food and beverage industry and seven years with the Puget Sound Chapter of the National Association of

Investor Clubs. He is married with two sons, a daughter-in-law, and one grandson.

Gary W. Brown, '73 BS Hotel Administration, is vice president of sales and conference operations for Colonial Williamsburg Co. in Vir-

ginia. He previously was vice president of convention sales and services for the Baltimore Area Convention and Visitor's Association and has worked at the Westin, Ritz-Carlton, Regent, Hyatt, and Hilton hotel chains. He and his wife, Suzie, have two sons, Tyler and Travis.

Mark G. Tratos, '74 BA Political Science, was named a distinguished graduate by Lewis & Clark Law School. He is the founder of the firm Tratos & Quirk in Las Vegas, which specializes in entertainment law. He has written legislation dealing with trademarks, unfair competition, and

rights of publicity. He is the author of numerous law review articles and has served as an adjunct professor at the William S. Boyd School of Law and the William F. Harrah College of Hotel Administration. He is chairman of the board for the Entertainment Development Corp. and president of the Nevada Intellectual Property Law Society.

Kenneth W. Fong, '78 BS Business Administration, received the 2002 Certified Property Manager of the Year award from the Las Vegas chapter of the Institute of Real Estate Management. He is a partner/manager of Fong and Associates, which owns and manages shopping centers and offices in Las Vegas.

■ 1980s

John Maksimik, '80 BS Hotel Administration, works for Orgill/Singer & Associates in Las Vegas and recently earned the certified risk manager designation from Certified Risk Managers International.

Brian M. Allen, '81 BS Hotel Administration, was promoted to director of food and beverage for the Hawaii Convention Center in Honolulu. He previously served as senior catering sales manager and assistant director of operations. Prior to joining the convention center, he was general manager of Kauai Coconut Beach Resort, director of food and beverage at Royal Lahaina Resort, and Honolulu Airport manager for Budget Rent-A-Car.



Allen

Edward Chaaya, '81 BS Hotel Administration, is the general manager for the Holiday Inn Resort Safaga City in Egypt. Previously he worked with Hyatt International and other hotel chains in Dubai, United Arab Emirates.

Mary E. Wells, '82 BS Geology, has been appointed to a five-year term on the New Mexico Board of Licensure for Professional Engineers and Surveyors. She is the office manager of Terracon, a geotechnical and environmental engineering firm in Las Cruces, and is a licensed professional engineer in New Mexico and Nevada. She also holds a master's degree in geological engineering from UNR.

Explosive Research James David Ballard, sociology professor

For 20 years, James David Ballard worked in the aerospace and weapons manufacturing industry, making everything from fighter jets to missiles. Now a sociology professor at California State University, Northridge, Ballard says, "I study the people who use weapons like these for violent political gain. I study terrorists."

Ballard, '00 Ph.D. Sociology, began researching violent political behavior while pursuing his doctorate at UNLV and traveled to Northern Ireland on a Graduate Student Association grant to do research. He has since become an expert on terrorism and, in particular, nuclear and radiological attacks.

"As I was planning the Ireland trip, the Oklahoma City bombing happened," he says. "That changed things. At that time, we were not worried about Al-Qaeda or international groups; we were worried about domestic terrorists like Timothy McVeigh. I looked at Yucca Mountain and reasoned that shipments to this potential facility could be subject to sabotage, to terrorism from such individuals."

Ballard is a team leader for a two-year NATO project assessing the worldwide vulnerability of nuclear power plants and radioactive waste shipments to such attacks. He's also testified before both houses of Congress and has served for seven years as a consultant for the state of Nevada on the potential for terrorist attacks against Yucca Mountain shipments.

Though he believes that with proper planning the risk of shipping these radioactive materials can be reduced, he questions, among other things, the logic of moving the waste along predictable routes from locations primarily east of the Mississippi River to Nevada.

"Radioactive waste can be thought of like money in a bank. We know how to store it securely in a vault, but when you take it out of that environment and transport it across the country, you make it vulnerable to thieves or saboteurs," he says. "Why expose it to any number of problems on the roadways and railways of America when it could be interned at its production site until such time as it is less toxic and less of a symbolic target?"

A shipment of nuclear waste will be a tantalizing target for terrorists, he says. "It's



radioactive, which we're all frightened of. It would also be part of a large-scale federal program. It's also being forced upon a community, in this case, Nevada, which creates an antagonistic environment. Now put those things together – this train would make a highly symbolic target for those who seek to make a statement against the radioactive cargo, or those who oppose the actions of the federal government, or even as a protest statement about how the repository is being sited."

The general public, Ballard says, has only limited information on what types of activities could be considered terrorism with respect to these materials. In early 2004, Carolina Academic Press will publish Ballard's *Nuclear and Radiological Terrorism: Weapons of Mass Destruction and Mass Victimization*, which is aimed at first responders such as police and fire personnel. His book *Terrorism, Media, and Public Policy* is due out at the same time from Hampton Press. It deals with how federal agencies like the Department of Justice used the media to advance their own agendas in the wake of the Oklahoma City bombing.

He's also published more than 30 professional papers and about two dozen poems, which he says he writes "to get away from the violence inherent in this research." His poems cover a wide range of topics, including his marriage to fellow UNLV graduate Donna Pattee-Ballard, '98 MFA.

—Cate Weeks

A Winding Road: Douglas Selby, Las Vegas city manager

Like the rugged trails he enjoys hiking when he can squeeze in some time off, the career path to Douglas Selby's job as Las Vegas city manager has been a circuitous one.

As a UNLV student, Selby ('75 BS and '77 MS Biology) anticipated spending his entire career doing some kind of environmental biology work. While he did work in that field for years – and enjoyed it – his career route took a variety of turns that eventually led to his assuming the job as CEO of one of the 30 largest cities in America.

Of course, Selby didn't move straight from a job as field biologist to the helm of a city with an annual budget of \$877 million. Along the way were a number of jobs that each, in its own way, helped prepare

him for the challenges of guiding one of the fastest growing cities in the nation.

During his senior year at UNLV, Selby met biology professor Jim Deacon, who specialized in desert fishes. Exposure to Deacon's research, which involved a great deal of fieldwork, spurred Selby's interest. After receiving his master's degree, Selby worked for the U.S. Fish and Wildlife Service and the California Department of Fish and Game before joining an environmental consulting firm.

"I did a lot of field work with endangered fishes – some in Nevada and some in the western rivers of the Colorado River system," Selby recalls.

Eventually he enrolled in the doctoral engineering program at Utah State University so that he could enter the then-

new field of environmental engineering.

Ph.D. in hand, the Clark High School graduate returned to Las Vegas to take a job with the Clark County Sanitation District. Selby subsequently moved to California, but eventually felt pulled to return to Southern Nevada – a desire he admits was strengthened by the major San Francisco earthquake of October 1989.

"I always gravitate back to Las Vegas. Other places I lived and worked just didn't have the energy and the open-mindedness about opportunities."

His work as engineering director – first for the Las Vegas Valley Water District and then for the Southern Nevada Water Authority – eventually paved the way for his being selected as deputy city manager. Then, in September 2002, the City Council promoted him to the city's top managerial post.

Selby says the job suits him. "I like being city manager. It's nothing my academic background would seem to lead to, but it has turned out to be a good fit," he says, adding that his studies at UNLV helped prepare him for the perhaps unlikely turn of events in his career. "My academic background did give me a basis for being flexible and adaptable, which is important for a city manager. You have to be analytical, too, and UNLV contributed a great deal to that."

Selby says he is pleased to be serving as city manager at a time when Las Vegas is contending with the challenges and changes of growth. "While challenges certainly exist, they bring with them tremendous opportunities for success. I want to work with the mayor and the City Council to help make the city of Las Vegas one of the best-run cities in the country."

—Diane Russell



Gerri Kodely/UNLV Photo Services



In the Pink: Kathleen Hammons, brand manager for Mattel Toys

Kathleen "Kitti" Hammons is living life in the pink. The UNLV alumna ('96 BS Business Administration) spends her days – and sometimes her nights – in the bright pink world of that most famous of fashion dolls, Barbie.

For most of her career, Hammons has worked for the toy company giant Mattel.

Her professional introduction to Barbie came after she earned her MBA from Loyola Marymount University. She was hired at Mattel as a senior financial analyst in the fashion doll division and was placed on a Barbie cross-function team. Among the team members devoted to Barbie were a marketing representative, a planner, and three designers – one each for the doll's face, hair, and clothing. When a job in collectibles marketing opened up, Hammons was selected. There she was responsible for marketing about 30 of the Barbie dolls made each year for display rather than play.

In her current job as brand manager, she negotiates deals and maintains relationships with companies that produce an amazing variety of products bearing Barbie's likeness. Barbie's smiling countenance can be found on linens, clothing, lunchboxes, and – coming soon – ceramic dinnerware. Mattel takes great care to make sure that its star appears only on high-quality products manufactured in plants that meet stringent criteria, Hammons says.

This year, Hammons' duties were expanded to include licensing responsibility for other Mattel toys, including Polly

Pocket dolls, Hot Wheels and Matchbox cars, the Magic 8 Ball, and He-Man figures.

She said she's enjoying learning about the boy-oriented toys such as Hot Wheels and He-Man, but confesses to having a particular fondness for that perky doll with the striking figure.

You see, Hammons' affinity for Barbie didn't begin with her employment at Mattel. As a child growing up in Las Vegas, she had more than 20 of the stylish dolls – not to mention a full complement of Barbie's friends and relatives, including Skipper, Ken, Midge, Alan, and Steven. She remembers an Afghan hound, too, but can't recall its name.

"I probably played with Barbie until I was 12," the Eldorado High School graduate recounts. "I had the dream house, the swimming pool, and the Winnebago."

One thing she remembers clearly from her childhood – and is finding still to be true today through her 2-year-old daughter Kira – is, "You can't have too many Barbies. Once you put them in the tub and cut their hair, you have to get new ones."

Kira, whose father is UNLV alumnus and attorney Wally Hammons ('97 BA Political Science), apparently needn't worry about running out. "I'm bad," Hammons confesses. "She already has about 40. Maybe 25 of those, though, are the collectibles, which are kept in their boxes."

Kira isn't the only family member reaping the rewards of her mother's job. Hammons' mother-in-law already had amassed nearly 400 Barbies before Hammons went to work for Mattel. Now her collection is automatically augmented on every significant gift-giving holiday.

"She doesn't even have to ask."

—Diane Russell

Jana Baraks, '95 BS Accounting, is the fiscal manager at John Lewis Coffee Shop, a homeless shelter and non-profit community development corporation. She lives in Coal Valley, Ill., with her daughter, Korryn.

Brian J. Devine, '95 BS Finance, is a partner with the law firm Seeger Salvas LLP in San Francisco. His law practice focuses on complex commercial litigation.

Quincy Moore, '95 MA Educational Foundations and Counseling, was selected as chair of the American Counseling Association Foundation. He is also dean of undergraduate studies and student support at West Chester University in Pennsylvania. He previously served in a number of positions at Virginia Commonwealth University in Richmond. He has published numerous articles on education, mentoring, and transcultural counseling. He received a doctoral degree from the University of Iowa and completed post-graduate studies at Harvard University.

Brad Packer, '95 BS Hotel Administration, is director of public relations for Noble House Hotels and Resorts in Miami Beach, Fla. He previously served in public relations positions with Island Outpost Hotels and The Venetian Resort-Hotel-Casino.

Bryan Page, '95 BS Hotel Administration, is owner of Page Wine Cellar in California's Napa Valley. The vintner's 1999 Page Red Table Wine received a score of 93 in the May issue of *Wine Enthusiast*. While at UNLV, he was chef of the UNLV Wine Club and taught in the Summer Studies in Switzerland program for two years.

Stephanie Rosenthal Shirit, '95 BA Political Science, recently launched and is director of marketing for Resource Associates, a recruiting and temporary staff augmentation firm. The company focuses on technology, engineering, professional services, construction management, geographic information systems, and executive recruiting. She lives in Las Vegas with husband David Shirit and their son, Mordechai.

Kevin Yamashita, '95 Bachelor of Landscape Architecture, was pro-

moted to vice president of Landaco Landscaping & Grading in Las Vegas. He has been in charge of production landscaping jobs for area homebuilders as well as high-end custom projects. He received his landscape architect license in 1999.

Jennifer Brown Hodur, '96 BA Political Science, is an associate attorney at Alschuler, Grossman, Stein & Kahn in Los Angeles. She graduated with honors from Loyola Law School in 2000. She was elected to the Order of the Coif, a national legal honor society, and served as chief production editor of the *Loyola Entertainment Law Review*.

Gregory Dye, '96 BS Hotel Administration, was promoted to field craftsman by Las Vegas Handyman, Inc. His duties include residential repairs, carpentry, plumbing, electrical work, and various other services.

Brandon Berrett, '97 BA Criminal Justice, is the human resources manager with the International Rescue Committee in New York, N.Y. He is working on a master's degree in urban policy at the New School's Milano School of Management and Urban Policy. Previously at Cambridge University in England, he studied organizational development and the economic downturn in the European Union. He lives in Long Island City.

Jung Hoon Lee, '97 BS Hotel Administration, is the general manager for a Tony Roma's restaurant managed by Sun@Food in Seoul, Korea. Previously he served as a front office manager for the Hilton Fort Lee.

Carolyn Babcock, '96 BA Environmental Studies and '98 MA Communication Studies, is a media and performing arts professor at the Savannah (Ga.) College of Art and Design. She also holds a doctorate in communications from the University of Utah, where she served as a research assistant and teaching fellow.

Jeff A. Breeden, '98 BS Accounting, is in charge of the business valuation and litigation support practice at the firm of Stewart, Archibald and Barney in Las Vegas. He holds both the certified valuation analyst and certified public accountant credentials. He still regularly plays with the Rebel Pep Band at Runnin' Rebel basketball games.

Ron Shratter, '83 BS Hotel Administration, is president of Elite Hospitality Group, an executive recruiting firm in Atlanta specializing in the hospitality industry.

Lee Brucks, '84 BS Hotel Administration, completed his MBA at Rivier College in New Hampshire. He works for BAE Systems in the business management division. He and wife Cathy have two children, Austin and Carissa, and reside in Nashua, N.H.

Sharon Flax Mars, '84 BS Hotel Administration, is the rooms division manager for the Little Dix Bay Resort in the British Virgin Islands. She also owns and operates Tropix Limited, a vacation property management company. The company also provides location services for photo shoots, commercials, and movies.

Tony Santo, '84 BS Hotel Administration, is a 22-year veteran of the

gaming industry and was recently named senior vice president of Park Place Entertainment Corp.'s Western and Mid-South regions. He oversees operations of a dozen casino resorts in Nevada, Mississippi, Indiana, and Louisiana. He is a member of the Harrah Hotel College Alumni Board.

Andrew Meckler, '86 MS Hotel Administration, was named tavern operations director of Timbers Hospitality Group, which operates seven Southern Nevada restaurants.

Timothy Morrissey, '86 BS Hotel Administration, has worked for the state of Nevada for 10 years. He supervises the Southern Nevada adjudication section in Las Vegas, which is part of the Department of Employment, Training, and Rehabilitation of the Employment Security Division.

Greg Schall, '86 BS Hotel Administration, is vice president of lodging for

the Stuart Dean Co., a large building restoration and maintenance company in New York.

Sue Davis, '87 BA and '89 MA Political Science, is an assistant professor of political science at Denison University in Granville, Ohio. She received her doctoral degree from Emory University. She previously served as an instructor at Emory and as an adjunct professor at the Air Force Special Operations School.

John C. Futrell, '87 BA Psychology, is president of Futrell Financial Management, a wealth management company, and is the financial columnist for the weekly *In Business Las Vegas* and a financial commentator for KTNV 13. He also serves as a speaker for the Las Vegas Executive Speakers Bureau and as president of



Futrell

the Financial Advisory Council. He has volunteered with the Arthritis Foundation and the alumni association of the UNLV swim team.

■ 1990s
Wanda Ruth Chernow Sands, '91 BA Criminal Justice, received a master's degree from Northwestern California University in Sacramento, where she is currently working on a doctoral degree. The 77-year-old also holds a degree from Western Sierra Law School. She lives in Las Vegas.

Tim Koch, '91 BA Accounting, was recently named the managing shareholder of Chavez & Koch, an accounting firm with offices in Las Vegas and San Diego. He is in charge of the daily operations of the Southern Nevada office and oversees the



Koch

audit and consulting services of the firm. The firm offers accounting and business advisory services to growing small- and medium-sized companies.

Christian E. Hardigree, '93 BS Hotel Administration, teaches hospitality law, labor management relations, and hospitality employment law at UNLV. She was named the hotel management department's 2002-03 Professor of the Year. A graduate of the Walter F. George School of Law at Mercer University in Macon, Ga., she is also an attorney with Parrell & Associates in Las Vegas.

Jarrett Kratchman, '93 BS Hotel Administration, opened the Ritz-Carlton New York, Central Park as director of finance and quality. His first child, Alyson Brook, was born in June.

Geoffrey Combs, '94 BS Hotel Administration, is training manager

for Qdoba Mexican Grill in Denver and is part of the management team opening new Qdoba restaurants in Colorado Springs, Colo. He lives in Agate with his wife, eight dogs, four horses, four llamas, two cats, two rabbits, and a number of chickens.

Joseph Miller, '94 BS Hotel Administration, is director of business development for Infosys Corp. He is a specialist for business-critical application and infrastructure management and currently lives in West Hills, Calif.

Joseph P. Ruggieri, '94 BA Chemistry, is a research specialist for the research foundation at the State University of New York, Stony Brook. He uses mass spectrometry to study pollutants in marine environments and specializes in environmental issues, including analytical chemistry and regulatory compliance. He lives in Patchogue.

Gabrielle Crawford, '98 BS Physical Education, teaches physical education at Martin Luther King Jr. Elementary in Las Vegas and is working on a master's degree in health promotion at UNLV.

Darrel Kieckhafer, '98 BS Mechanical Engineering, is a heating, ventilation, and air conditioner engineer for AMEC in Las Vegas. He recently passed the Nevada Professional Engineering Exam.

Rachel Klem, '98 Bachelor of Music, is working on a master's degree in music therapy at New York University. She is an elementary school music teacher and lives in Jersey City, N.J.

Chris Smith, '98 BS Hotel Administration, is the internal communications partner in the human resources department at Harrah's Rincon Casino in Valley Center, Calif. He handles employee relations issues, benefits,

recruiting, training and development, and communications. He received the company's Chairman's Award for outstanding team performance in 2002.

Antoinette M. Thomas, '98 BA Sociology, is a real estate broker, property manager, notary public, and loan officer in Las Vegas.

Brad Mark, '99 BS Hotel Administration, was elected to the board of directors for the Las Vegas Speedway Children's Charities.

■ **2000s**
Amy Byro, '00 BS Culinary Arts Management, is a pastry chef at the Rincon Casino & Resort in San Diego. She helped open the resort last year. Previously, she worked for the Rio in Las Vegas.

Hanako Nagano, '00 BS Hotel Administration, is housekeeping manager at the St. Regis Monarch

Beach Resort in Dana Point, Calif. She lives in Aliso Viejo and hopes to move back to Las Vegas in the future.

Geraldine P. Nagazyna Howard, '00 BA Psychology and Sociology and '02 MSW, is the senior social worker for Family Healthcare Services, a subsidiary of Sierra Health Services specializing in services for senior citizens in Las Vegas. She is working on a doctorate in social work from LaCrosse University.

Antonio Zavala Blanco, '00 BS Hotel Administration, recently completed basic training at the Marine Corps Recruit Depot in San Diego.


Irma Jamin, '01 BS Hotel Administration, recently named Employee of the Year by the Le Meridien Chicago. She will represent the hotel at a company conference overseas.

Laura McEwan, '01 MFA, is a 2003 graduate of the master of fine arts program at the University of Connecticut at Storrs. The Benton, Connecticut's state art museum, exhibited her self-portraits and narrative paintings in May.

David Gibson, '02 J.D., opened Gibson Law Offices LLC, a full-service litigation firm practicing family, business formation, personal injury, criminal, and landlord/tenant law in Henderson. Previously, he was an associate with another local law firm. He is married and has two children.

■ **In Memoriam**
Robert Appleyard, '75 BS Hotel Administration, died Feb. 7.

Shannon L. Buckner, '01 MS Hotel Administration, died on Feb. 16.



Gibson



Jamin

President's Message

continued from page 2

improve the lives of individuals have occurred on university campuses. These discoveries are sometimes global in that they affect people throughout the world; they are sometimes local, aimed at helping people in the immediate community.

Let me offer some examples of UNLV research projects with very practical and beneficial goals: Researchers in the science and engineering colleges are conducting fascinating studies on the effects of increased carbon dioxide levels on plant ecology in a desert environment, on pollution estimation and detection, and on medical imaging to improve diagnostic techniques. They are also examining alternative modes of transportation for the city, developing systems to improve pedestrian safety, and exploring alternative sources of energy.

UNLV researchers are also pursuing answers to some of the most challenging questions in health care, an area that can have a powerful impact on all our lives. At UNLV, faculty members and students in the Cancer Institute and the School of Dental Medicine are doing sophisticated cancer research. Additionally, faculty members in health sciences are conducting research on stress reduction to help us more successfully deal with the pressures of everyday life. Also, a forensics laboratory is being designed that will assist our whole community in dealing with crime and terrorism.

And the list goes on and on. With more than 800 faculty members and more than 25,000 students, we are a remarkable resource, offering careful examination of the many problems we all face. Life for our entire community will be improved because of the programs we create, the services we perform, and the research we conduct at UNLV.

Fourth, major research universities have a direct and positive effect on a community's economic development and diversification.

University research creates knowledge that can lead to new technologies, commercial products, and jobs that have a significant impact on the economy. Some of the most important discoveries in recent decades have come from university research, including many agricultural advances, developments in fiber optics and lasers, and advancements in DNA research.

I should note that the planned Science, Engineering and Technology Building will contribute significantly to the university's ability to continue producing sophisticated research and promoting the unencumbered exchange of thoughts, ideas, and opinions among faculty and students of diverse disciplines. The facility represents a major step in increasing momentum for Nevada's economic diversification efforts as well. The building will showcase a breadth of compelling programs and will attract students into high-demand fields such as computer science, environmental science, and electrical engineering. More importantly, UNLV faculty and student researchers will be able to increase their levels of collaboration with local industry and create the academic environment sought by technology-based companies.

But universities affect the local economy in other ways. Research parks have created knowledge clusters that lead to new industries and new jobs. UNLV's recently approved research and technology park will be such a location. We hope to attract businesses that will help diversify the Nevada economy; I predict you will hear more about the successes of this research and technology park in the years to come.

And finally, major research universities are in fact recognized as more prestigious.

As the quality of education improves at UNLV, our academic reputation continues to grow; we witness this in a number of ways, but it is perhaps most evident in the rise in our ranking among major universities in recent years. I would like to illustrate the dramatic increase in UNLV's reputation by talking about where UNLV was, where it is, and where it aspires to be.

When I came to UNLV in 1995, the Carnegie Foundation for Advancement of Teaching ranked the institution in the Master's College and Universities category, which included more than 600 institutions. In 2000, UNLV was elevated to the Doctoral/Research Universities category that includes 261 institutions. This category is broken into two groups: Doctoral/Research Universities-Intensive and Doctoral/Research Universities-Extensive.

UNLV is currently ranked in the Intensive category, which includes 110 institutions. These institutions typically offer a wide range of baccalaureate programs, and they are committed to graduate education through the doctorate. There are some excellent institutions in this group: Northern Arizona University, University of Northern Colorado, Idaho State University, Montana State University, University of Montana, and the University of Central Florida.

But the category of Doctoral/Research Universities-Extensive, which includes 151 institutions, is the most transformational in terms of its effect on the community. It is also the most prestigious of the categories, and UNLV hopes to achieve this ranking by 2010. Many excellent institutions in this region are in this category, and you know them well: the University of Arizona, Arizona State University, Brigham Young University, University of New Mexico, University of Colorado, University of Idaho, University of Nevada, Reno, and University of Utah. On a national scale, institutions in this category include Columbia University, Indiana University, Texas A&M University, UCLA, University of Washington, USC, and the University of California-Berkeley.

We aspire to join these great institutions because providing high-quality academic programs and research activities that directly benefit Nevadans is our paramount concern. We aspire to be a great university because of the rewards that will be reaped by our community and region; we believe we have the capacity to transform our community and, quite possibly, even our nation. And as we work toward that high ideal, we want to ensure that our alumni, donors, and friends fully understand our goals and, perhaps more importantly, share in the sense of pride we feel as we achieve them. After all, our accomplishments will certainly be shared by all who support us – and the noble endeavor we pursue. ■

Drop Us A Line

Or fill out our Class Notes form online at:
www.unlv.edu/News_Bureau/UNLV_Magazine/

Your classmates want to hear about you! Please fill out the form below completely, type or print clearly, and avoid abbreviations. Information also can be submitted via e-mail. Please supply home and office telephone numbers so we can reach you if there is a question about your entry. We encourage you to submit a head-and-shoulders photograph of yourself to accompany your Class Notes entry.

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first	maiden	last
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(e.g., Physics, English)		(e.g., Bachelor of Arts, Master of Science)
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Send entries to: Cate Weeks, UNLV News & Public Information, 4505 Maryland Parkway, Box 451012, Las Vegas, NV 89154-1012; fax 702-895-4057; or e-mail Cate.Weeks@ccmail.nevada.edu. **Deadline** for the spring issue of *UNLV Magazine* is Oct. 30, 2003.



1972



2002

Homecoming

Fall Homecoming events offer alumni a trip down memory lane.

Above: 1972 Homecoming Queen Efi Papageorge (center), Joyce Mitchell (left), and Donna Crabbe, are escorted off the field at half-time festivities. **Below:** Students enjoy the pep rally in 1989. **Left:** The UNLV mascot salutes the audience at last year's pep rally.

Homecoming 2003 will kick off with a dinner featuring football Coach John Robinson on Oct. 17. The Alumni Association's tailgate party will begin at Sam Boyd Stadium three hours before the game kickoff against Utah on Oct. 18. For more information, contact the Alumni Association at 895-3621 or visit www.unlv alumni.com.

The Lied Library's special collections department houses a vast collection of UNLV and Southern Nevada historical photos and documents. The collections are open to the public. For more information, visit www.library.unlv.edu/speccoll/index.html.



1989



UNLV

HOME COMING 2003

Friday, October 17

5:30 pm

Cocktail Mixer / Martini Bar

7:00 pm

Guest Speaker: Coach Robinson

Inside the Marietta Tiberti Grand Hall
of the Richard Tam Alumni Center

Hosted by the Harrah Hotel College

Dues Paying Members \$30 • Non-members \$40

VIP Reserved Table of 8 - \$300 (Table sponsorship includes recognition in program)



Saturday, October 18

Tailgate FREE for Active Alumni Members • Guests \$10

UNLV vs. Utah — GO REBELS! Tickets available call 739-FANS.



Monday, October 20

12:00 pm

Homecoming Golf Tournament at Canyon Gate CC

Entry Fee: \$125 per person. Tee prizes and dinner included.

Please RSVP by Monday, Oct. 13 — (702) 895-3621.

For more information on this event or to join the
UNLV Alumni Association, call (702) 895-3621 or
visit our website at: www.unlv alumni.com





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