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NOVA

Q U A R T E R L Y

THE UNIVERSITY OF TEXAS AT EL PASO

REFLECTING ON THE FUTURE

UTEP IN 2014



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SHADOWS OF BHUTAN

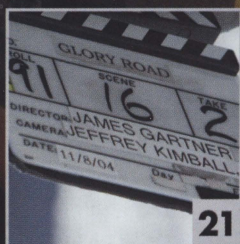
Foreign students
feel at home



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A NEW DIMENSION

Biomed lab enhances
tissue engineering

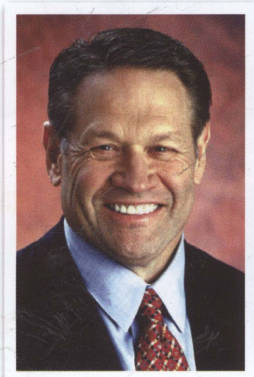


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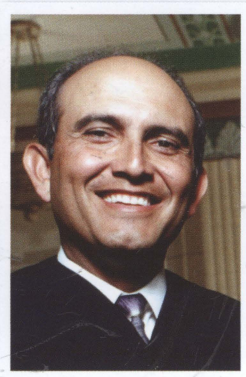
"GLORY ROAD"

Hollywood comes
to UTEP





Larry K. Durham is a retired president and CEO of National Express Group. He graduated from Texas Western College (now UTEP) in 1966.



Philip Martinez is the U.S. District Judge for the Western District of Texas. The 1979 UTEP alum graduated from Harvard Law School in 1982.

“Your goal is
not to foresee
the future,
it is to
enable it.”

—Antoine de Saint-Exupery,
The Little Prince



The enduring partnership between UTEP and the community it serves began 90 years ago, when a group of civic leaders pledged \$50,000 in start-up funds for what was then known as the Texas State School of Mines and Metallurgy. In 1914, that was a large sum of money. But these early supporters understood that higher education would be essential to the human and economic development of the Paso del Norte region, and they worked hard to secure the future of the new mining school. For almost a century, that partnership has yielded tremendous benefits. As proud UTEP alumni, we know that the outstanding education we received here prepared us for professional success. As longtime friends and supporters of the University, we know the valuable contributions made by UTEP to our region. Unlike many universities that remain apart from the communities in which they are located — the aptly named division of ‘town and gown’ — UTEP is a vital part of the daily life of our community. When you talk with a teacher, visit a doctor or consult a business professional, you are likely speaking with a UTEP graduate. When you read about outreach programs designed to promote K-12 excellence, improve the success rate of small businesses, or increase access to health care services, the odds are high that these programs were created by UTEP.

As co-chairmen of the Centennial Commission launched this fall, it is enormously satisfying, personally and professionally, to give back to the university that has given us so much. The Commission — comprising 100 alumni, friends and supporters from El Paso and elsewhere, representing a diverse range of interests and perspectives — has been asked to create a vision of UTEP in 2014, the 100th anniversary of its founding. In assembling this group, UTEP President Diana Natalicio presents us with a remarkable opportunity to help shape the future of this great university.

The Commission is divided into 10 committees, each assigned a broad topic area that reflects some aspect of UTEP’s mission. Over the next year, we will study the challenges and opportunities that lie ahead, analyze UTEP’s strengths and determine how the University can best continue to meet the higher education needs of our region. Our charge extends to UTEP’s role as a national model in demonstrating that a commitment to students traditionally underrepresented in higher education can be accompanied by an equally strong commitment to academic and research excellence.

We are ably assisted by UTEP staff and faculty who will, throughout the process, provide us with institutional knowledge and identify university resources helpful in understanding the issues under consideration. Our UTEP liaisons will also help us prepare the Commission report containing all of our recommendations. We anticipate that this report will be released next fall.

Between that time and now, we will be guided in our work by the wise counsel offered in Antoine de Saint-Exupery’s *The Little Prince*: “Your goal is not to foresee the future, it is to enable it.” Wish us well in our endeavors.

Larry Durham and Philip Martinez
Co-Chairmen, Centennial Commission

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ON THE COVER
Second-grader Raymond Ramirez,
7, sees himself as a future UTEP
Miner. Bel Air High School senior
Christopher Ramirez, 17, is
portrayed as his reflection.
Charlotte's of El Paso provided
the showroom pictured. The UTEP
Bookstore provided the university
props.

COVER PHOTO
J.R. Hernandez

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John Downey

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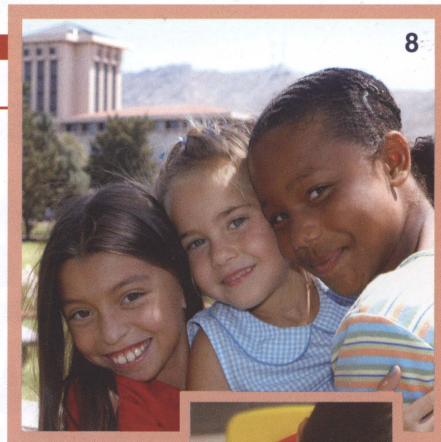
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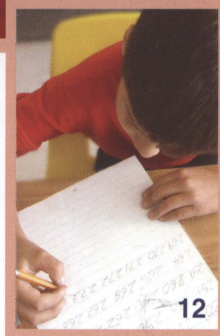
Over the next decade, UTEP will work to improve the university experience — in and out of classrooms — by enhancing its faculty and academic and research portfolio and improving facilities.

15 Mission 2014

Charged with plotting a vision for UTEP in 2014, the recently formed Centennial Commission is out to prove that when it comes to education, everything is possible.



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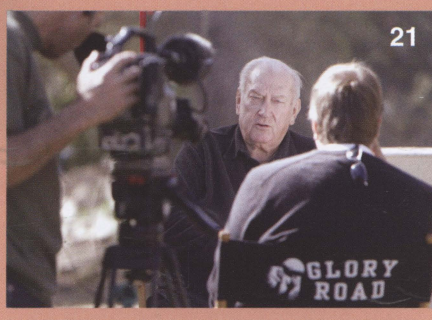
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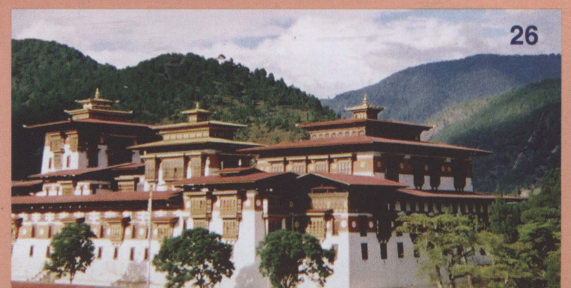
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90 Years of Milestones Give UTEP Motivation To Reach New Heights



Following is a summary of UTEP President Diana Natalicio's remarks during fall convocation's state of the university address in September 2004.

Ninety years ago, a group of students began their studies at the Texas State School of Mines and Metallurgy in pursuit of their dreams to become mining engineers. These 27 young men were the first students to enroll at the institution known today as The University of Texas at El Paso.

This new educational opportunity was created for them through the vision of a group of El Pasoans who saw higher education as a key to this community's future.

During the past several months, we have been celebrating our major milestones, commemorating the events and individuals who helped launch this institution. These recognitions not only allow us to recollect and enjoy our institution's 90-year history, but also to appreciate the strong foundation upon which today's UTEP rests.

The contrasts between the School of Mines of 1914 and today's UTEP are obvious and significant: from that first class of 27 young men to today's enrollment of 19,000, more than half of whom are women; from a single program in mining engineering to 81 bachelor's, 72 master's and 12 doctoral programs offered by six colleges and the Graduate School.

What has not changed, however, is this institution's commitment to the El Paso-Juárez region — and this region's commitment to us.

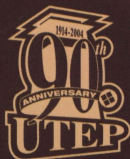
As our 90th anniversary slogan proclaims: "In 1914, we were El Paso's future. We still are."

We all knew that our



"Start by doing what's necessary, then what's possible, and suddenly you are doing the impossible."

—Saint Francis of Assisi

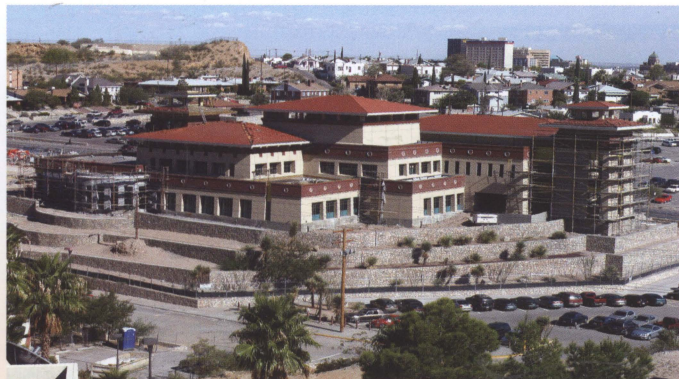


90th anniversary would be special, as all such major milestones tend to be. What we could not have predicted was just how extraordinarily eventful the past year would become.

Changing our skyline

Every aspect of UTEP's operations appears to have experienced a sudden surge of energy, and all of us have been moving as fast as we can to keep up with what appears to be an ever-accelerating pace of activity.

The most visible sign of UTEP's growth is new campus construction: cranes silhouetted against El Paso's blue sky and construction-related headaches on our campus streets. The past year has brought UTEP the largest facilities expansion program in our history with more than \$50 million in new construction and major renovation projects underway.



The new Academic Services Building should be completed in spring 2005.

Among them:

- A new 100,000-square-foot Biosciences Building
- A new 50,000-square-foot Academic Services Building
- The 44,000-square-foot addition to the Engineering Building
- The conversion of Seamon Hall into the Stanlee and Gerald Rubin Center for the Visual Arts
- Kelly Hall's conversion from an old-style dormitory into the Paso del Norte Research and Business Complex

Campus climate

A major factor in student success is what is often called campus climate. Inviting facilities contribute significantly to that climate, but that's just the beginning.

A discussion of campus climate would not be complete without mention of parking and traffic, especially given our



Parking garages are being planned to accommodate growth.

enrollment growth.

The fact is that UTEP is relatively land-locked, and much of our land is topographically challenged for construction or parking. As the need for new campus facilities grows, we must convert parking lots into construction sites.

We acquired the car dealership property on the north end of the campus and it is now used for overflow parking.

But, the need for additional parking and more efficient traffic flow will have to be a major focus of our attention and investments during the next several years. We have already begun plans to construct a parking garage and bookstore on the site of the Liberal Arts parking lot, and to provide land

at Oregon and Baltimore streets in a partnership with the City of El Paso to construct a transit terminal and parking garage.

Roadmap to top-tier

One of the primary drivers of facilities expansion and reconfiguration at UTEP has been our transformation during the past 15 years from a comprehensive undergraduate teaching institution into a Research Intensive University in the Carnegie classification.

This institutional transformation is well documented in a recent report of the Washington Advisory Group, consultants engaged by the University of Texas System to assess the research accomplishments and capacities of eight of its nine academic institutions.

This external assessment strongly validated our progress during the past 15

years as well as our enhanced capacity for future research and graduate program development.

Our next challenge will be to prepare a plan which will define the areas of UTEP's strategic research development over the next 10 years, provide a roadmap to guide that development, and identify policies, practices, metrics and investments that will be required to implement it.

New grants awarded during the past year reflect both UTEP's success in securing highly competitive funding, and the breadth of our research activity across colleges and research centers.

This past year, 225 grants totaling \$56.5 million were awarded to UTEP, up from \$44 million last year and \$33 million the year before. That's progress!

UTEP has gained national recognition for its success in encouraging the participation of undergraduate students in research projects across the campus. Undergraduate research experiences have a profound impact on students' decisions to pursue graduate study, and UTEP is adding more than its share of underrepresented minority students to graduate school ranks, particularly in science and engineering.

But, however successful we are at UTEP, this continues to be an ongoing challenge at the national level. The number of Latino students who complete bachelor's degrees has not kept pace with the growth in the U.S. Hispanic population, and the numbers at the graduate level across the country continue to be disappointingly small.

"This new educational opportunity was created for them through the vision of a group of El Pasoans."

UTEP clearly has a major role to play in changing this national demographic profile in graduate schools and professional careers across the country.

We are increasingly successful in playing that role.

Pursuing opportunities

This fall, 18,918 students are enrolled at UTEP, a 2 percent increase over fall 2003 — and the largest enrollment ever. This hike in enrollment means more



Enrollment reached an all-time high of 18,918 in fall 2004.

residents are pursuing a post-secondary education to prepare them for more productive and satisfying lives.

Of the total enrollment, 17.5 percent is at the graduate level, reflecting continued development of UTEP's graduate programs. Doctoral program enrollment increased 10 percent over last year to 286 students, continuing the growth that can be expected as new Ph.D. programs are implemented.

"What has not changed is this institution's commitment to the El Paso-Juárez region, and this region's commitment to us."

Enrollment growth is partially attributable to the recruitment of new students.

Although new first-time freshman enrollment declined somewhat, perhaps as a result of increased tuition, transfer student enrollment grew by 44 percent. Most of those transfer students come to UTEP from the El Paso Community College, whose enrollment also continues to grow.

We are indeed "closing the gaps" in higher education participation in El Paso.

Reaching the finish line

Another component of enrollment growth is student retention. Creating access to a UTEP education is only the

first step in student success.

First-year retention is one of the metrics used to determine whether the University is providing a supportive environment for student success. UTEP has developed a number of nationally acclaimed initiatives to address the special needs of entering students.

The real proof of the success of these programs is the outcomes they achieve. Freshman retention—the number of first-year students who successfully return for their second year—has increased significantly, from 63 percent in 1996 to 71 percent in 2002.

For a majority of students, success is defined as a diploma, or successful completion of a degree, and UTEP's six-year graduation rate is comparable to peer institutions in the UT System.

However, like many other urban universities where a majority of students commute and maintain active off-campus lives, UTEP monitors data on student persistence and graduation for up to 10 years after initial enrollment. By that 10-year measure, we know that more than half of any given entering cohort of students will have either graduated or will still be enrolled.

There has been a good deal of thinking at UTEP during the past few years about student retention and graduation, and you are going to hear more about it during the coming year.

The Southern Association of Colleges and Schools engages us in a 10-year re-

accreditation process, and we have focused our SACS Quality Enhancement Plan on student retention and graduation.

Athletic achievements

Perhaps the greatest visibility during our 90th birthday was achieved through athletics. It has always been clear that athletics gets more regular media attention than anything else that happens on a university campus.

Such attention can obviously be a double-edged sword. When there are problems, they are magnified by the extensive and, some would argue, disproportionate coverage.

On the other hand, when things go well, there can be huge public relations benefits, as we have experienced during the past year, with our highly successful men's basketball season, the hiring of Mike Price as UTEP's football coach, and our decision to move from the WAC to Conference USA next summer.

Zoom zoom

By any measure, UTEP's 90th anniversary has been memorable. Our pace has quickened, and our blip on the national radar screen has grown much larger. We are recognized as a success story, an institution that has demonstrated that there does not have to be a trade-off between access and excellence.



The Miners' success has attracted thousands to the Sun Bowl Saturday nights.

By being authentic in carrying out our regional mission, rather than trying to emulate other institutions whose missions are far different from ours, we have gained respect and stature at the national level.

The spirit of continuous improvement and the desire to be a little better every day have enabled UTEP to make huge progress, and to set the stage for our next major leap forward... starting right now.

We recently launched UTEP's Centennial Commission, an initiative that will help us create a vision for UTEP in 2014, our 100th anniversary. One-hundred UTEP alumni, friends and supporters have been invited to serve as members of the Commission,

which will be chaired by UTEP alumni Larry Durham and Judge Philip Martinez. Associated with the Commission will be three internal Task Forces whose charge is to assess and make recommendations in the critical areas of research, campus climate, and student success.

By this time next year, the Commission will have submitted a report whose recommendations will help guide UTEP's

development during the next 10 years.

Each year there are surprises—new opportunities—that test our agility and motivate us to achieve at ever-higher levels. This year will be no exception. The good news is that we are better prepared than we have ever been to respond to such opportunities.

In 1914, we were El Paso's future. We still are! **N**

Convocation 2004 Highlights

Academic Growth

During the past year, UTEP experienced substantial academic growth.

New doctoral programs launched:

- Civil Engineering
- International Business
- Composition and Rhetoric

Doctoral programs on the way include:

- Interdisciplinary Health Sciences, approved by the Texas Higher Education Coordinating Board this summer for start-up during the coming year

Master's programs:

- Accelerated Master's in Business Administration degree program graduated its first proud class in September
- Master's degree in Public Administration was revamped and revitalized
- First cohort of high school teachers is now enrolled in the new Master of Arts in Teaching Mathematics degree

Bachelor's degrees:

- Communication Department has launched a promising new Spanish-language media program named for UTEP alumnus Ruben Salazar

Campus Construction

Several new buildings are changing the campus skyline:

- To accommodate UTEP's fast-growing research portfolio, the \$27 million Biological Sciences Building should be complete next year.
- A new \$10 million Academic Services Building expected to be completed in spring 2005 will provide students with one-stop service for a variety of their enrollment needs, including Financial Aid, Registrar and Records, Student Business Services, Scholarships, Admissions and Recruitment, and the Graduate School.
- A \$7 million addition to the Engineering Building includes classrooms, a student support center and offices for faculty and staff, and should be complete by early 2005.
- The \$2.1 million conversion of Seamon Hall into the Stanlee and Gerald Rubin Center for the Visual Arts was completed in September.
- The \$2.1 million Helen of Troy Softball Complex, expected to be completed this month, will provide a 600-seat stadium for the women's softball team and locker rooms and offices for women's softball and soccer.
- The first three floors of Kelly Hall are being converted from an old-style dormitory into the Paso del Norte Research and Business Complex. The \$1.8 million project will house regional business projects and programs.
- Renovations were made to the Roderick Auditorium in the College of Health Sciences and the El Paso Natural Gas Conference Center.

Grants and Awards

Some of the major grants received during the past year include:

- **Carnegie Corporation** – UTEP is one of only 11 universities in the nation to receive a Teacher's for a New Era program grant.
- **Kauffman Foundation** – A \$2 million grant to enhance entrepreneurship education at UTEP and El Paso.
- **NASA** – A research grant to study earthquake hazards and the effects of groundwater migration in the El Paso area.
- **National Institutes of Health** – In cooperation with the UT Houston School of Public Health, UTEP secured a \$4.1 million grant to establish a Center for the Advancement of Hispanic Health Disparities Research Center.
- **The U.S. Department of Education** – The Fund for the Improvement of Post-Secondary Education will help infuse international supply chain management into the engineering curriculum.
- **National Science Foundation** – A \$3.4 million grant will help increase faculty diversity and develop faculty leadership



potential at UTEP.

- **Texas Instruments Foundation** – A \$1 million grant for development of semiconductor and electronics materials and wireless communications.
- **U.S. Department of Education** – The \$2.8 million grant will help enhance the transfer program with the El Paso Community College.
- **Department of Housing and Urban Development** – A \$400,000 grant to the Center for Civic Engagement will support the establishment of a Community Partnership Center at UTEP.

Happy 90th, UTEP!

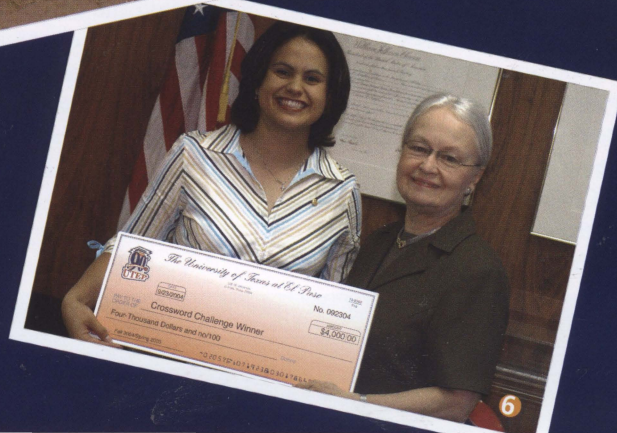
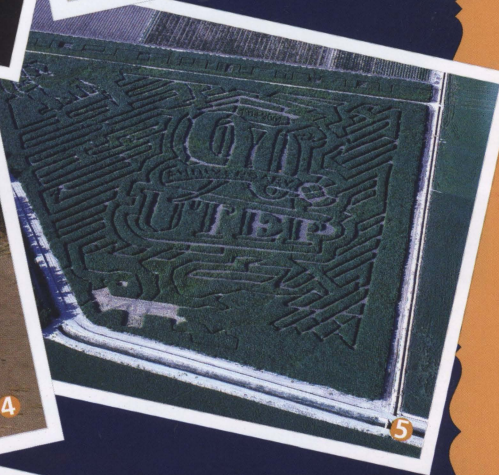
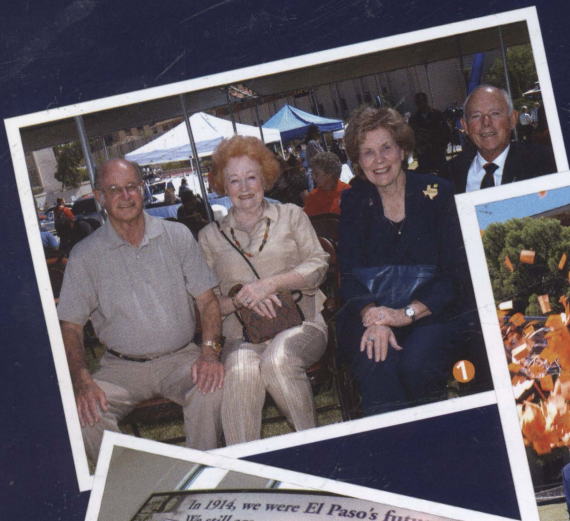
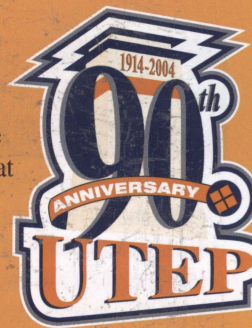
University celebrates with unforgettable bash in 2004

by David
Peregrino

For its 90th year, the University of Texas at El Paso invited the city to a yearlong birthday party.

Ninetieth anniversary events thanked the visionary El Pasoans who established the Texas School of Mines and Metallurgy and the students who were first to walk through the school's doors on Sept. 23, 1914.

El Pasoans joined in the celebration by proudly wearing their Miner orange and blue throughout the year—and The Maize at La Union went all out by using the UTEP 90th Anniversary logo to form a 17-acre corn maze. ■



1. UTEP FAMILY AND FRIENDS: Former UTEP students Frank Weidner and his wife Cissy Weidner (from left) sit with friends Jonell Sims and her husband Alonzo "Lonnie" Sims. Jonell Sims' father, Lloyd "Speedy" Nelson, was among the first 27 students to enroll at the Texas State School of Mines and Metallurgy in 1914. — photo by Laura Trejo

2. WITH A BANG: From left, Jonell Sims, Linda Rivas and Walton Sarrels, descendants of the School of Mines' first students, pop a balloon containing names of students in the drawing for the 90th Anniversary Crossword Puzzle Challenge's \$4,000 prize. The drawing took place during the 90th Anniversary Student Celebration on Sept. 23.— photo by Laura Trejo

3. A BANNER YEAR: From left, El Paso International Airport Director of Aviation Pat Abeln, UTEP President Diana Natalicio and El Paso Mayor Joe Wardy gather beneath the 90th Anniversary banner at the airport. UTEP University Communications graphic artist John Downey designed the 6 by 18 feet framed canvas banner. —photo by J.R. Hernandez

4. PARADISE LOST: UTEP President Diana Natalicio looks down one path and UTEP staffers look down another while trying to find their way out of The Maize at La Union. Members of the UTEP community visited the maze during a grand opening celebration on Sept. 25.—photo by Chad Puerling

5. A-MAZING: The Maize at La Union chose the UTEP 90th Anniversary logo for the maze design.— photo courtesy of The Maize at La Union.

6. CROSSWORD COUP: Senior business administration major Irene Holguin, left, with UTEP President Diana Natalicio, was the lucky winner of a \$4,000 scholarship in the 90th Anniversary Crossword Puzzle Challenge. Holguin's name was drawn from 547 students who correctly completed the puzzle online.—photo by J.R. Hernandez.



Healthy Hispanics

Research center aims to eliminate health disparities



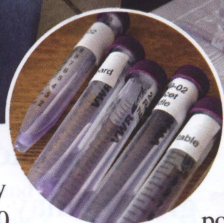
Photo by J.R. Hernandez

By Laura Cruz

The Hispanic population will nearly triple in size to 102.6 million by 2050, ensuring it to be the largest minority group in the nation, according to projections by the U.S. Census Bureau.

In Texas, Hispanics are expected to make up about 65 percent of the population in 2040, compared to 32 percent in 2000.

The trend is cause for concern among health experts and researchers at UTEP and others along the U.S.-Mexico border who say health disparities between Hispanics and non-Hispanics are on the rise.



These health disparities — discrepancies between population groups in prevalence of disease, injury, life expectancy and death, for example — exist in numerous areas.

Experts say not enough research is being performed to understand the cause and effects of increasing health problems among Hispanics.

"Minority health is a major concern at the moment because we've found that they haven't been represented in ongoing research as much as they need to be," says Robert Anders, Ph.D., associate dean for UTEP's

College of Health Sciences.

For this reason, UTEP and the University of Texas at Houston Health Science Center in El Paso created the Hispanic Health Disparities Research Center in 2003. The center is funded by a \$4.1 million, five-year grant from the National Institutes of Health's National Center for Minority Health and Health Disparities.

"The overall objective of the Center is to increase the research capacity of the College of Health Sciences at UTEP in health issues that are germane to our population," says Jack Bristol, Ph.D., co-director of the center.

The research center aims to help eliminate health disparities by supporting 15 to 20 small, two-year research projects with funds ranging from \$20,000 to \$80,000.

Today, seven projects are underway at the center, including mammography use by low-income Hispanic women and language impairment among 3- to 5-year-old Spanish-speaking Hispanics.



Velma Edmonds, a UTEP School of Nursing assistant professor, is studying the nutritional patterns, health beliefs and behaviors of recently immigrated Mexican women.

"We need to look at immigrants because their health impacts the rest of the community," says Edmonds, whose research replicates a 2001 study she performed with Honduran women in New Orleans.

"There has to be reasons. Although this is not a study on obesity, it's a study about women's habits that precipitates obesity or other problems."

Bristol says once completed, the information gathered from the studies will be shared with the community and used to develop education programs.

This year, the center began recruiting senior researchers for faculty positions in the College of Health Sciences. In addition to a faculty salary, researchers could receive \$100,000 to start a research laboratory and hire laboratory assistants.

"We hope the research center becomes an umbrella under which a variety of research projects address health disparities," Bristol says. ■

Hispanic Health Disparities Research Center Studies

- Language impairment among 3- to 5-year-old Spanish-speaking Hispanic children
- Body composition, hormones and health risk factors in middle-aged Hispanic and Caucasian women
- Effects of chronic aerobic exercise on sensation in the legs, feet and toes in older Hispanics with Type 2 diabetes
- Nutritional patterns, health beliefs and behaviors among recent female Mexican immigrants
- Factors that influence low-income Hispanic women in El Paso whether or not to undergo annual re-screening mammography
- Impact of vitamin A and zinc supplementation versus a matching placebo on nutritional status, cellular immune response and clinical outcomes among Hispanics with pulmonary tuberculosis
- Mindful medication for depressed Mexican-American women

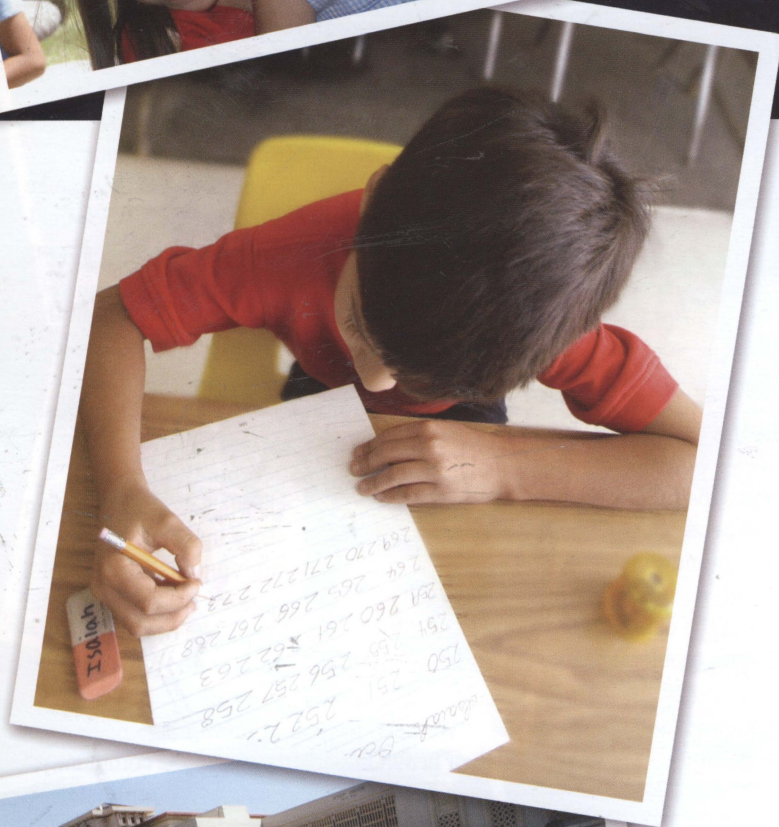


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Reflecting on the Future UTEP in 2014



As they look into the mirror, today's second-graders may see their hair a mess and their smiles missing a few teeth.

But as they reflect on the future, these youngsters not yet a decade old envision the road to adulthood.

They picture themselves as college students in pursuit of an education that will bring them fruitful careers — perhaps fortune and fame. They see their lunch boxes and crayons replaced by textbooks and laptops; their Gameboys and Bratz dolls replaced by cell phones and iPods.

They envision themselves as scientists, business people, artists, doctors, lawyers, teachers...men and women giving back to their families, schools and communities.

In the next few pages, *NOVA Quarterly* brings you a glimpse of UTEP's future through the eyes of the experts — today's second-graders, the college freshman class of 2014. ▀



From crayons to college

Today's second-graders hopeful about the future

By Karla V. Iscapa and Cindy Ramirez

Though she's only 8 years old, Ashley Machria knows the secret to her future success.

"If you don't go to college, you won't get a good job," says Machria, a student at Bonham Elementary School in El Paso's East Side.

Education experts support Machria's statement: Jobs of the future will increasingly require a college degree, many beyond a bachelor's, according to a study by the Futures Project, an organization focused on the role of higher education in society. In fact, nearly 75 percent of today's job fields require a college degree, the organization reports.

The University of Texas at El Paso is preparing for the challenge.

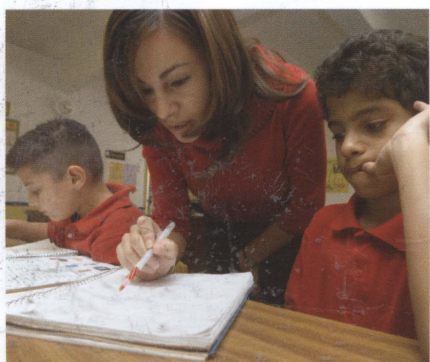
Mission 2014

UTEP recently formed the Centennial Commission, a group of 100 community and national leaders who will map out the university's future in areas like academics, research, and student climate.

"I am sure that whatever the future will be like, we will do everything in our control to provide students with the education they'll need," UTEP President Diana Natalicio says. "It's important to convince the second-graders of 2004 that if there is one important factor for their future, it's education."

Machria and her classmates — today's second-graders — will be among the college freshman class of 2014, when UTEP celebrates its 100th anniversary.

Though their college days are still a decade away, many of these future teachers, scientists, engineers, doctors, politicians and business leaders are already thinking beyond the playground.



"I want to go to college ... to become a great man."

— Ruben Diaz de Leon, 8

NOVA Quarterly went to the experts to ask about the importance of a college education — today's second-graders,

who'll make up the college freshman class of 2014. We visited two area schools and asked why college is important to them and what role UTEP might play in their higher education and career dreams.



"You go to college to learn how to be a grown-up."

Agueda Morena, 7
Bonham Elementary



"I want to be an engineer and build airplanes ... I am very good at math."

Without a college education, he says, "You might mess up on the airplanes and they might not work that well."

Eric Valdez, 7
Pebbles Christian Preschool and Daycare



"You come to college to learn. If you want to be a teacher, learn how to be a teacher."

Karla Farias, 8
Bonham Elementary



"I want to go to college to learn a lot of stuff ... To be smart and know a lot of things and not mess up on everything and become a great man."

Ruben Diaz de Leon, 8
Pebbles Christian Preschool and Daycare



"If you don't go to college, you won't get a job."

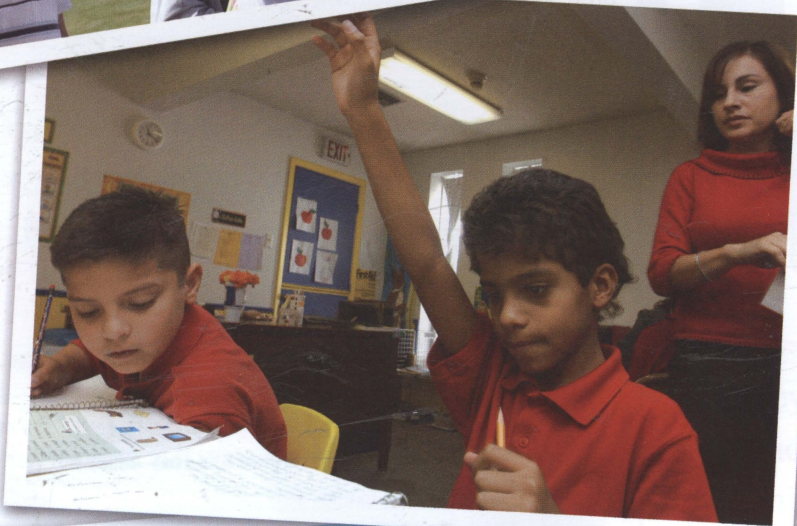
Ashley Machria, 8
Bonham Elementary



"I want to go to UTEP like my dad did," says Magdaleno, who aspires to play college football.

"My mom always tells me that if you get bad grades they will kick you off the football game."

Derek Magdaleno, 9
Pebbles Christian Preschool and Daycare



"My dad tells me to think more about stuff for kids instead of worrying about where I want to go to college right now," says 8-year-old Ruben Diaz de Leon, a second-grader at El Paso's Pebbles Christian Pre-School and Daycare.

Still, Ruben aspires to be on a police SWAT team — and go to college "to be smart and know a lot of things."

Educators applaud students like Ruben who, at younger than 10, are thinking about the decade ahead.

"I tell my students every day that what they learn here will help them throughout their lives," says Esmeralda Ramirez, a second-grade teacher at Pebbles Christian. "I remind them it's important to go to college because you get better-paying jobs and you can achieve your dreams."

Closing the gaps

More and more students in El Paso and across the state are realizing the impact a college degree can make on their salaries in their chosen careers.

Preliminary figures for fall 2004 put enrollment in higher education institutions across Texas at nearly 1.2 million, a 3.6 percent increase over last fall, according to the Texas Higher Education Coordinating Board.

In fall 2004, UTEP enrolled a record 18,918 students, continuing a five-year trend of increasing fall enrollments. Considering the current growth rates at UTEP, officials project that nearly 30,000 students will enroll at the university by 2015.

The question is whether the faces of the future will reflect the changing demographics of the nation — increasingly Hispanic and black.

That's part of the mission of the state's Closing the Gaps plan, which calls for increasing higher education enrollments to 1.5 million students and for comparable increases in the number of degrees and certificates awarded by 2015. Closing the Gaps also aims to enroll underrepresented minorities in colleges and universities to better reflect the changing demographics of Texas and the nation.

UTEP is on track: 72 percent of its students are Hispanic, and nearly 3 percent are black.

The Texas State Data Center projects the state will be 84 percent Hispanic, 11 percent Anglo and 3 percent black in 2015.

What is expected to help UTEP further diversify its student population is increased enrollment in the Graduate School, which will attract students of diverse backgrounds from around the nation and across the globe.

"As more graduate and doctoral programs are created, the demographics of UTEP may not mirror those of the city as much," Natalicio says. "As students prepare better for their master's

"It's important to convince the second-graders of 2004 that if there is one important factor for their future, it's education."

— UTEP President Diana Natalicio

and doctoral degrees, students might come from different parts of the world for these programs."

Facing the future

Students from Bonham Elementary and Pebbles Christian Pre-School say it's too early to know whether they'll attend UTEP, universities across the nation or around the world.

But they have no qualms about their dreams.

Some aspire to be part of the UTEP football team and become professional athletes; others look forward to becoming teachers at their schools. One youngster hopes to become an engineer to build airplanes, another dreams of performing on Broadway.

Not surprisingly, the majority of students hope to do well financially.

Notably, many plan to share the fruits of their success with their families.

"I want to buy my mom a red truck," says one student.

But whether they hope to find a cure for cancer or win an Academy Award, today's second-graders make it clear the future is secure in their hands.

Ruben may have put it best: "I want to go to college to become a great man." ■



UTEP Enrollment Targets to 2015

	2004**	2005	2010	2015
Hispanic	13,554	15,704	17,901	21,262
Black	461	509	605	718
White	2,325	2,717	3,227	3,833
Total*	18,918	21,229	25,213	30,000

*Includes all other students

**Actual enrollment, fall 2004

Source: UTEP Center for Institutional Evaluation, Research and Planning

Enrollment Targets for 2015 in degree-granting institutions

UT El Paso	30,000
Texas	1.5 million
United States	18.2 million

Source: Texas Higher Education Coordinating Board and UTEP Center for Institutional Evaluation, Research and Planning

Population Projections for 2015 and percentages by ethnicity

	Texas	El Paso
	26,156,761	867,435
Hispanic	39 percent	84 percent
Anglo	44 percent	11 percent
Black	11 percent	3 percent
Other	4 percent	2 percent

Source: U.S. Census Bureau

Recruiting the best

Faculty key to UTEP's future

By Donna Dennis Muñoz

To keep up with the student enrollment boom and reach top-tier research status, UTEP and other UT System universities will have to recruit hundreds of highly qualified, diverse faculty through the next decade.

Officials say recruitment efforts at UTEP and across the system will increase competitiveness for faculty who will not only meet the need for

more course sections, but also bring in much-sought-after federal research dollars.

UTEP may have several advantages in recruiting a diverse faculty: The growth of its academic and research portfolio and a larger pool of



Posey

minorities with doctoral degrees.

"Though it will be gradual, the numbers of minorities earning doctoral degrees is increasing. When combined with the natural lure of the region for minority researchers, I believe it's safe to say that an already attractive environment will be even more so by 2014," says Gregory Rocha, associate professor of political science and president of the Faculty Senate at UTEP.

UTEP strives to recruit faculty from pools that include underrepresented groups such as women, minorities and people with disabilities, as well as faculty with extensive research background, says Pablo Arenaz, interim vice president for academic affairs.

Arenaz says recruiting from diverse backgrounds can offer students different viewpoints and learning experiences.

Some 500 to 600 new and replacement tenure and tenure-track faculty will be needed by 2014, Arenaz says. Some 200 to 300 technical



Choudhuri

and professional staff will also be needed to accommodate the growth.

UTEP now employs approximately 1,000 full- and part-time faculty. The university has one of the highest percentages of minority faculty among universities in the United States — nearly 30 percent.

Among them is Ahsan R. Choudhuri, assistant professor of Mechanical and Industrial Engineering and director of the Combustion and Propulsion Research Laboratory.

Born in Bangladesh, Choudhuri came to the United States in 1996 and received his master's and doctoral degrees from the University of Oklahoma in 1997 and 2000. He came to UTEP three years ago with a goal of increasing Hispanic participation in science and engineering.

"Since UTEP is the largest producer of Hispanic engineers in the continental United States, my role as an educator can and will have

a significant positive impact on the diversity of aerospace researchers," he says.

Other initiatives are positioning UTEP to become a model in faculty diversity.

The National Science Foundation awarded UTEP a \$3.4 million, five-year ADVANCE Institutional Transformation grant in 2003. Matched by UTEP for a total of \$4.2 million, this program focuses on the recruitment, retention and advancement of women and underrepresented minorities in academic science and engineering disciplines.

"Because of its faculty and Hispanic-majority population, UTEP is the ideal setting to create, implement, and document a model for diversifying the academic work force and contributing to the national goal of creating positive and sustainable change in academic climates," says Evelyn Posey, the grant's principal investigator and chair of the English department. ■

"UTEP is the ideal setting to create, implement, and document a model for diversifying the academic work force."

— Evelyn Posey, English department chair

Windows to the Future

Innovative programs, construction hint to UTEP in 2014

By David Peregrino

Tea leaves and tarot cards aren't needed to predict UTEP's classroom and laboratory activity 10 years from now.

Just by doing some old-fashioned detective work today, we can track down several nascent examples of what UTEP's academic programs and research will look like by the 2014 centennial year.

The classroom experience may be much like the university's new Downtown MBA and MPA degree programs — the professors commute to the students' workplace for classes, not the other way around.

Interim Vice President for Academic Affairs Pablo Arenaz says the university will offer more innovative programs like these in the next decade to meet the needs of busy students, who often face work and family pressures while earning a degree.

"Shortened courses, eight-week courses, four-week courses ... those are all kinds of things we are going to think about," Arenaz says.

Arenaz says the university is taking a hard look at ways to improve its student retention and graduation rates as part of its 10-year re-accreditation process by the Southern Association of Colleges and Schools.

Departments are considering more distance-learning courses and programs, he says, as well as "hybrid" programs to improve student success.

In a hybrid class, "part of the course is done in an online mode," Arenaz says. "For example, the class may meet together as a group maybe one day a week, and the rest of the week they meet online."

More graduate programs also are on the way, on the heels of new Ph.D. programs in civil engineering, international business, rhetoric and composition and interdisciplinary health sciences. Proposed Ph.D. programs include computational science, computer science, chemistry and education.

When it comes to research activities, look at the 100,000-square-foot Biosciences Building under construction near the library for an idea of how UTEP's skyline may change in 10 years. The Biosciences Building is the

university's first new facility to be dedicated solely to research.

UTEP is on track to reach its goal of becoming a flagship research university with \$100 million in annual research spending in 15 years, according to a recent report of the Washington Advisory Group.

But to reach this level, hundreds of new faculty will need to be hired, and major construction projects launched to house the professors and their laboratories.

Based on current research activity, the Washington Advisory Group estimates faculty will have to grow by about 300 to reach top-tier research status.

Paul Maxwell, vice president for Research and Sponsored Projects, says the university will have to make an investment in faculty to reach that goal.

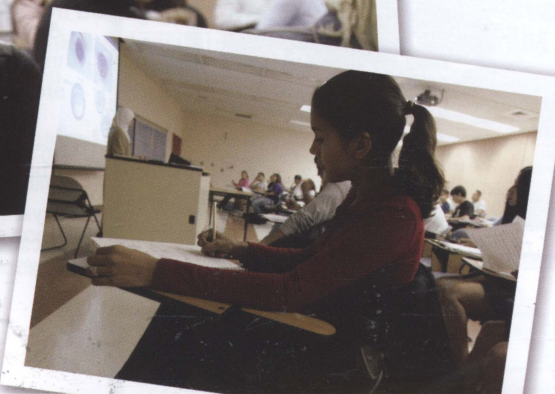
Maxwell estimates about 200,000 more square feet of research space will be needed on campus—the equivalent of two Liberal Arts buildings.

Future research activities will take advantage of relationships developed with other regional universities, including those in Mexico and South America, Maxwell says.

UTEP scientists will increase their use of Internet 2, a collaborative effort by scores of universities to share research data and computing tools via the Internet.

The research activity on campus is poised to grow remarkably over the next decade, but as Maxwell and UTEP President Diana Natalicio have often pointed out, it will require significant support from the Texas Legislature.

"All of this depends on assumptions of funding," Maxwell says. "If we are to grow to the next level, there has to be an investment by the state to get us there." ■



Building a future

By Laura Cruz

New buildings, parking garages, campus entrance gates and a hotel will change the UTEP skyline over the next decade, but one theme will remain constant: Bhutanese-style architecture.

The campus of the future will be more pedestrian-friendly, shifting vehicles into parking garages and increasing the number of students who ride the shuttle bus onto campus, university officials say.

"What's taken place over the last several years has been a large growth in the student population," says Bill Turner, director of planning and construction.

Three major construction projects now underway are to be completed next year: a new Biosciences Building, an Academic Services Building and an Engineering Building expansion. On the drawing board are two parking garages — one of them in conjunction with the city — to help ease traffic and parking challenges around campus.

University planners are also looking to build a new on-campus home for the College of Health Sciences to replace the off-campus building on Campbell Street.



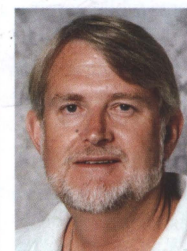
Hilton Garden Inn (artist rendering)

Also coming to the UTEP neighborhood is a five-story, 150-room Hilton Garden Inn at the intersection of Oregon Street and University Avenue. The 3.8-acre site is now home to the UTEP Police Department and two vacant facility services buildings. The Police Department will relocate near the Physical Plant Complex on Sun Bowl Drive in August 2005.

Greg McNicol, associate vice president for finance and administration, says the hotel will benefit UTEP and the community by offering

high-level service, increasing hotel room availability and providing conference facilities.

"The university hosts several conferences every year and the hotel would be close enough for the conference attendees



McNicol

to stay there," McNicol says. "It wouldn't surprise me to see some of the players from opposing teams we play stay at the hotel."

McNicol says the university will lease the land to the developer, High Desert Investors.

The hotel, to be completed in time for the 2005 Sun Bowl, will have Bhutanese-inspired architecture, as will other new university facilities.

"We want to recognize true Bhutanese architecture by including courtyards to create a more collegiate feeling that makes the students want to stay on campus," McNicol says.

Ryan Vallejo, Student Government Association president, says he's glad the university will maintain the Bhutanese architecture.

"UTEP is known around the world for its architecture and it's one of the unique things that sets us apart from other campuses," he says. "This is an exciting year to be a Miner because of the expansions." ■

Current construction

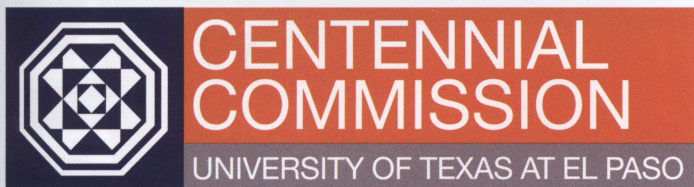
- **Engineering Complex Addition:** The \$7 million complex should be half occupied by spring 2005.
- **Biosciences Building:** The \$27 million building should be completed by late 2005.
- **Academic Services Building:** The \$10 million building should be completed in spring 2005.

Future construction

- **College of Health Sciences Building:** The \$70 million building will move the college now on Campbell Street to campus.
- **Parking garage / bookstore:** A 500-car parking garage near the Liberal Arts Building across from the Union would include a bookstore. Construction could start in fall 2005.
- **City-managed parking garage:** The university, the City of El Paso and Sun Metro are working together to build a 500-car parking garage near the intersection of Baltimore Drive and Oregon Street.

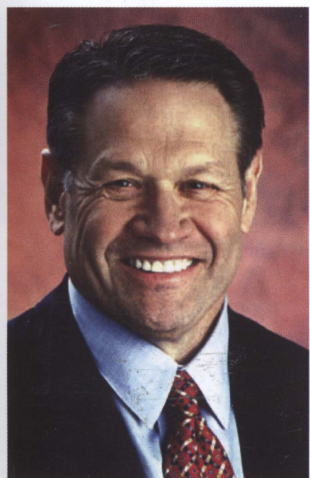


Academic Services Building under construction

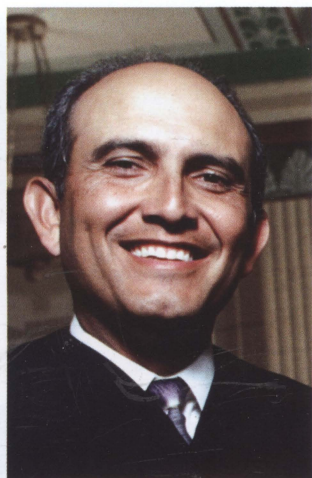


Mission 2014

Centennial Commission to plot UTEP's future



Durham



Martinez

By Cindy Ramirez

The University of Texas at El Paso announces the creation of the Centennial Commission, a group of alumni, friends and supporters charged with developing a vision for the university in 2014 — UTEP's 100th anniversary.

The commission comprises 100 members divided into 10 committees. Each committee is reviewing and evaluating the opportunities and challenges of UTEP's future development in key focus areas — and will recommend long-range goals and strategies to achieve them.

"UTEP's unprecedented success in contributing to the human and economic development of this region during the past 15 years has propelled the University into national visibility as a model for leadership in higher education," UTEP President Diana Natalicio says.

The Centennial Commission is co-chaired by UTEP alumni U.S. District Judge Philip Martinez and retired business CEO Larry K. Durham.

The final Centennial Commission report containing recommendations from all committees is to be completed by November 2005. ■

UTEP CENTENNIAL COMMISSION MEMBERS

Larry Durham, Co-Chair

Philip Martinez, Co-Chair

Cynthia Aboud
Patricia Adatao
J. Michael Adkins
Joe Alcantar
Sandra Almanzan
David Alvidrez
Michelle Apodaca
Victor Arias
Amen Ayoub
Salvador Balcorta
Carlos Barajas
Sara Jane Barno
Chana Burton
Carmen Cardenas
Irene Chavez
Mario Chavez
George Cisneros
Chantel Crews
Yvonne Davis
Diane De Hoyos
Artemio De La Vega
Richard De Santos
Pauline Dow
Robert Duron
Becky Duval Reese
Blanca Enriquez
Lillian Esparza Hinojos
Felix Fernandez
Richard Fleager
Maria Fong
Priscilla Morrill Foster
Timothy Foster
Ginger Francis
Risher Gilbert
Ellan Goldfarb
Rita Gomez
Sylvia Gonzalez
Patrick Gordon
Alfred Griffin
Jose Luis Gutierrez
Richard Gutierrez
Brent Harris
Phil Hatch
Mark Heins
Hank Hernandez
Michelle Hill Sheffield
Leila Hobson
Steve Hoy
Lorraine Huit

Sally Hurt-Steffen
Jimmy Janacek
Tim Johnson
John Kelley
W. Park Kerr
Debra Koch
Gerardo Licon
Teresa Limberg
Richard Lyon
Clement Marcus
Richard Martinez
Gary McCrory
Martha Medrano
Clem Mejia
Susan Melendez
Michael Miles
Carolyn Mora
Cecilia Mulvihill
Michael Munden
Mabel Ng
Pam Phippen
Tommy Poe
Henry Quintana
Gabriela Quirarte
Cindy Ramos-Davidson
Richard Rhodes
James Rogers
Steve Sambrano
Andres Sandoval
Joe Saucedo
Kelly Seegers
Virginia Shapiro
Stuart Shiloff
Susan Shinaut
Anna Skelton
Thaddeus Steele
Francisco Uranga
Luis Urrea
Joe Valenzuela
Russell Vandenburg
Lucinda Vargas
Tammy Vasilatos
James Vasquez
Oscar Venegas
Jorge Vielledent
Arthur Wiener
Robert Wingo
Stephen Wolslager
Tracy Yellen

Estrella Escobar

UTEP President's Office
Liaison

Sue Anne Warren

Centennial Commission
Coordinator



Bhutanese graduate student Tobgay says he had seen pictures of UTEP's architecture, but was awed by the similarities to that of Bhutan's monasteries.

Behind him is a prayer wheel at UTEP's Chihuahuan Desert Gardens. The wheel has a Tibetan prayer which is recited as the wheel is spun.

In the shadow of Bhutan

Students from across the globe thrive at UTEP

By Laura Cruz

When Tobgay first set foot at UTEP less than two years ago, he was astounded by the resemblance of the university's architecture to his country's fortress-monasteries, or *dzongs*.

"I had heard a lot about UTEP, about its architecture being similar to Bhutan," says Tobgay, a 30-year-old Bhutanese native and graduate student. "I had seen the pictures of UTEP and when I arrived, it was amazing and very beautiful. It reminded me of Bhutan with the buildings and the mountains."

Tobgay, nicknamed Toby by his peers, is one of four Bhutanese students who bring a global perspective to UTEP's community of more than 2,000 international students. In addition to earning a degree, these students from around the world hope to learn more about the border community – and help educate others about their cultures.

"It's good to know people from different backgrounds and learn different cultures, share information and ideas," says Tobgay.

"I see a lot of similarities between the Hispanic and Bhutanese culture, even in dishes like *chile con queso*. We have a dish called *ema datsi*, which is cheese and chile," says Tobgay, who plans to return to his home in Thimphu, Bhutan's capital city, where his wife and two children live.

Eugene Zweig, Office of International Programs interim director, says international students like Tobgay bring a different perspective that can help stretch the mind. But the university has "a special place for Bhutan and those Bhutanese who chose to study here," he says.

"It's nice to have someone from Bhutan study with us in part because of the strong affiliation we have with the country," Zweig says. "But whether they come from Bhutan, Juárez or India, international students have different ideas that can stimulate new thoughts."

About 79 percent of UTEP's international student population comes from Mexico, but many come from as far away as India, China, Germany, Nigeria and Brazil. The number of international students at UTEP has increased steadily over the past five years.

"The fact that we have such an extremely high number of Mexican students makes for a very dynamic community," Zweig says. "We are a bi-national community, so having the ability to enroll students from abroad just makes perfect sense."

Taiwanese student Yichen Chen says attending school abroad, particularly in the United States, was a goal because he wanted to learn English while obtaining his master's degree.

"Learning any language is difficult, but I think every language is the same – you need the environment to learn to speak it," says Chen, 30, who is studying environmental sciences.

Chen, whose sister lives in El Paso, says he hopes to stay in El Paso after graduate school.

"I feel very comfortable here," he says. "I like the culture and the people. It's very unique here because you have the American culture and the Mexican culture."

But for other international students like Tobgay, who traveled more than 8,200 miles to El Paso, their time at UTEP is temporary.

"The architecture gives me a piece of home, but what is hard is that I have family back in Bhutan who I miss very much," he says. "It was one of my dreams to come to the United States and study. It's not just my dream. Many others dream it." ■



Taiwanese graduate student Yichen Chen poses with a shirt depicting a Chinese poem. Chen is one of about 2,000 international students attending classes at UTEP this fall.

**International Students at UTEP
by Top 10 Home Countries Represented**

Mexico	1,746	Canada	22
India	136	France	13
China	33	Brazil	10
Germany	29	Jamaica	10
Nigeria	25	South Korea	10

Source: UTEP Center for Institutional Evaluation,
Research and Planning

**Number of International Students at
UTEP by Semester**

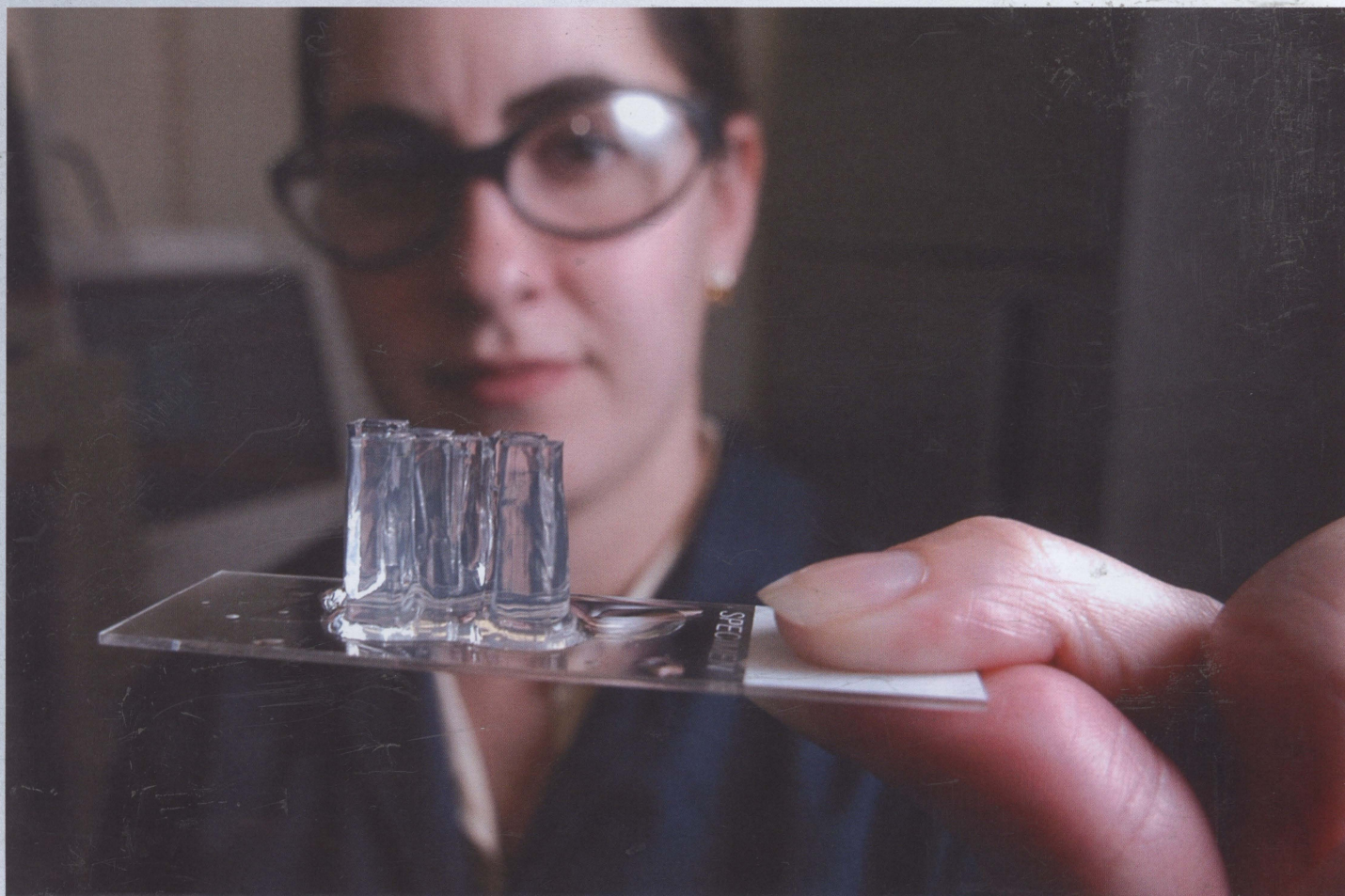
Fall 2004	2,200*
Fall 2003	2,270
Spring 2004	2,150
Fall 2002	2,126
Spring 2003	2,090
Fall 2001	2,054
Spring 2002	1,950
Fall 2000	1,763
Spring 2001	1,728

* Preliminary

Source: UTEP Center for Institutional Evaluation,
Research and Planning



Junior Dechen Wangmo and graduate student Sonam Wangchuk served traditional Bhutanese food during this year's International Food Fair that featured dishes from around the world.



A cellular home: Ph.D. candidate Karina Arcaute displays the progress of implantable "scaffolds" for tissue engineering. Arcaute uses a stereolithography machine to build the scaffolds, which provide a place for cells to grow.

Photo by J.R. Hernandez

A New Dimension

Prototyping machines enhance possibilities for tissue engineering, other applications at UTEP's Keck lab

By David Peregrino



You could spend hours browsing the cabinet of curiosities in the W.M. Keck Border Biomedical Manufacturing and Engineering Laboratory at UTEP.

Behind the cabinet's glass doors, you'll discover a translucent skull, an armful of rubbery human aortas and a jawbone lodged with a bright red tumor.

And among these biomedical mock-ups, you'll come across the rare and whimsical: a white dragon captured in mid-roar, an assortment of chess rooks and skeletons of Red Sea coral.

The fascinating display tells much of the story of the very busy "Keck lab."

Here, researchers led by lab director Ryan Wicker are helping solve complex medical and engineering problems through the use of several advanced rapid-prototyping machines.

Rapid-prototyping is a process that creates three-dimensional

models based on computer data. The machines are typically used in manufacturing to save time and money by speeding up testing and development of new products. The Keck lab is using these tools in both biomedical and manufacturing applications.

"This is a unique laboratory," says Wicker, a professor of mechanical engineering. "It has the capabilities that industry and medical professionals need."

The tumorous jawbone is one example. Medical scans of a patient were fed to rapid-prototyping machines, which crunched the computer data and carved out a replica jaw.

With a matching model in hand to examine from all possible angles, the doctor was able to plan a successful surgery to remove the tumor.

The surgical modeling is, for sure, an impressive and useful service. But what has Wicker and his researchers pumped with excitement these days is their work on tissue engineering.

Ph.D. candidate Karina Arcaute, for example, is experimenting



Cardio time: Keck lab manager Frank Medina holds a rapid-prototyped heart. The Keck laboratory uses medical scans to construct models for surgical planning.

Photo by Laura Trejo



Cabinet of curiosities: A glass case in the Keck lab is home to dozens of models manufactured with rapid-prototyping machines.

Photo by Laura Trejo

with unique materials in the lab's rapid-prototyping machines to create "scaffolds"—small structures that give living cells a place to cling to and grow so that they may be implanted in patients.

Arcaute has been using a type of rapid prototyping called stereolithography to make the scaffolds.

Stereolithography builds three-dimensional models by using a laser beam to harden liquid polymers a layer at a time.

Arcaute is using a 3D Systems stereolithography machine to build scaffolds out of hydrogels—a watery, jelly-like material that provides a cozy home for cellular growth.

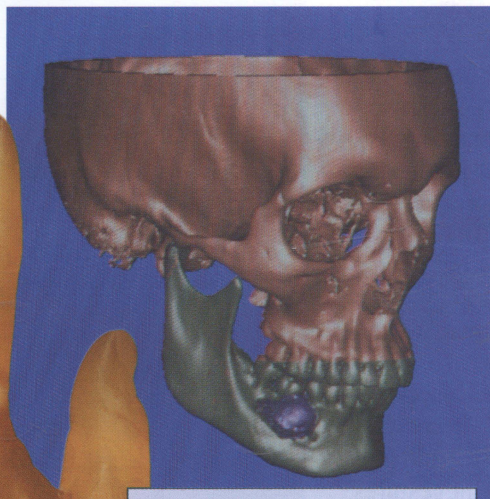
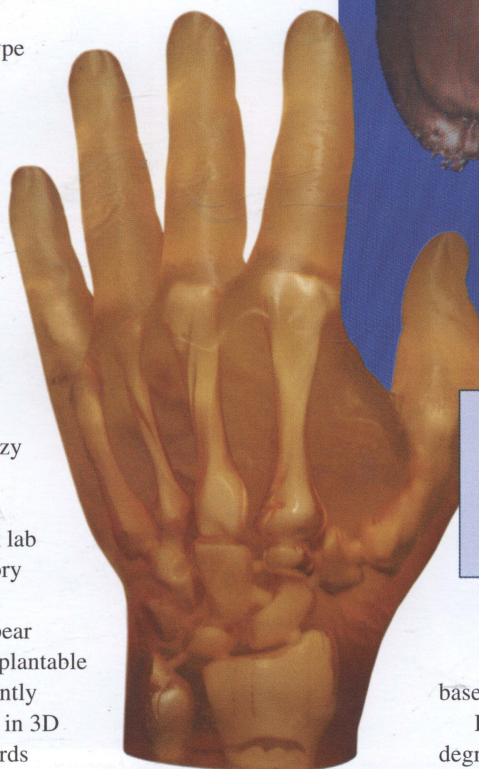
Researchers at Stanford University are testing the Keck lab scaffolds to implant in laboratory animals and grow new arteries.

The preliminary results appear promising. The Keck lab's "implantable stereolithography" project recently received an honorable mention in 3D Systems' 2004 Excellence Awards competition.

Arcaute says she is excited about the opportunity to participate in this fascinating branch of research at UTEP. She turned 25 in November, and expects to complete the requirements for her Ph.D. in materials science and engineering in two years.

"This type of tissue-engineering construct has never before been possible," says Wicker. "Stereolithography provided the solution."

The future holds exciting promise for the Keck lab as it moves forward with its ventures in tissue engineering and other applications



Bone scan: Using computer assisted design software, Keck staffers constructed a three-dimensional model of a tumorous jawbone (above) for use in surgical planning.

Keck Lab

- **Established in 2002** with a \$1 million grant from the W.M. Keck Foundation

- **The W.M. Keck Foundation**, established in 1954 by the founder of the Superior Oil Company, is a philanthropic organization that supports pioneering discoveries in science, engineering and medical research

- **The UTEP Keck lab** offers biomedical modeling and tissue engineering, and rapid-prototyping services for manufacturers

research.utep.edu/wmkeck



based on rapid-prototyping technology.

Laboratory Manager Frank Medina, who earned his bachelor's degree at UTEP under Wicker, heads the lab's day-to-day operations.

"He has been with the laboratory since its inception and now is managing the laboratory as a full-time staff person," Wicker says. "He has meant a great deal to our success."

The lab is undergoing a significant expansion. Adjacent rooms in the Engineering Building are being remodeled to create space for on-site tissue engineering rooms and other applications.

"Medical device companies are calling us all the time now," Wicker says. "We are pushing the limits of rapid-prototyping to smaller and smaller scales." ■

Dollar by Dollar

Alumna proves 'every dollar counts' when giving from the heart

By Donna Dennis

It was the early 1970s when UTEP alumna Colleen F. Leonard opened her heart – and her pocketbook – to the university.

Leonard, then a recent UTEP grad and public school teacher, was motivated to donate \$3 to the university. She has been a loyal supporter since.

Though they are what she considers small gifts – from \$3 in 1973 to \$25 today – her annual donations have benefited many programs, including the Library Excellence Endowment, the College of Education Program Fund, the Alumni Fund for Excellence and the Ratner Special Education Fund.

“I wish I had more to give because I appreciate what the university did for me,” says Leonard, 76, a retired teacher who received her bachelor’s degree in education in 1970 and her master’s degree in guidance and counseling in 1977.

“I don’t have much to give, but if we all took advantage of the education we received and gave a dollar a year, it would help,” says Leonard.

Leonard is among numerous supporters who have donated anywhere from \$20 to a few hundred dollars to UTEP annually for some 30 years – significant gestures university officials say add up and make a difference in the lives of students.

“Colleen Leonard serves as a fine example of the amazing power of giving what you can, consistently, over time,” says UTEP President Diana Natalicio.

Leonard, a member of the UTEP Alumni Association, says it’s also a way to give back to the university.

“The school always needs money,” she says.

She recalls her days as a student at UTEP, and is especially grateful for the kind – and sometimes strict – faculty who served as role models for her own success.

A former teacher for the El Paso Independent School District, Leonard worked with blind students for 10 years before retiring. She says her students’ success is her biggest compensation.



Years of Giving: Retired teacher and UTEP alumna Colleen Leonard, a faithful donor to her alma mater for some 30 years, holds a picture of herself in her youth. Her husband William Leonard is in the background.

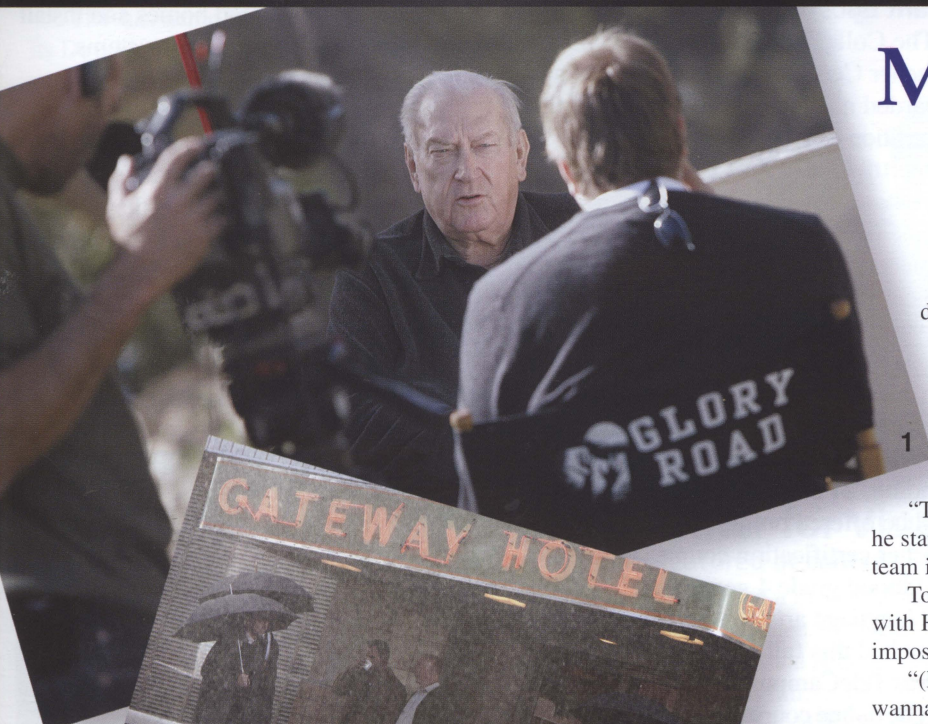
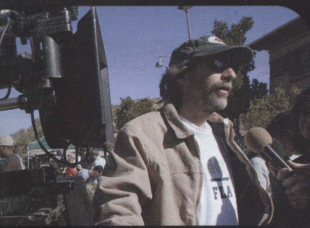
“I’ve been retired for almost 20 years, but I still hear from my students to this day,” she says. “That’s exciting to me. That’s my reward.”

Leonard is married to William E. Leonard, 80, a former serviceman and retired El Paso firefighter. The longtime

El Pasoans celebrated their 59th wedding anniversary this past summer. The two were born in Kansas and met in El Paso during World War II. They are active in the Veterans of Foreign Wars, and whenever possible, like to escape on cruises. ■

www.3.utep.edu/giving





MAKING HISTORY

"Glory Road" tells tale of 1966 champions

By David Peregrino

The pages of '60s-era Flowsheets – UTEP's long departed yearbook – sprung to life in November.

Filmmakers transformed the campus and parts of El Paso to shoot scenes for "Glory Road," a Jerry Bruckheimer/Disney drama about Texas Western College's 1966 NCAA basketball championship.

Josh Lucas of "A Beautiful Mind" and "Sweet Home Alabama" fame plays Coach Don "The Bear" Haskins, who made history that year when he started five black athletes against an all-white Kentucky team in the championship game.

To leap into the role, Lucas spent hours hanging out with Haskins and even gained 35 pounds to play the imposing young Bear.

"(Haskins) patted me on the stomach and said, 'You wanna play me, you gotta drink a lot of beer,'" Lucas says, smiling. "So I bulked up."

To play the coach, Lucas also added the legendary "Haskins Stare" to his repertoire. Lucas found himself on the receiving end when he first met Haskins.

"I was terribly intimidated...it froze me for about 20 seconds," Lucas says.

Lucas says he's strived to put together the perfect mix of intensity, romance and humor that make up the living legend.

The movie is slated for release next year.

"I hope people are honored by the movie...I hope this movie has integrity," Lucas says. "We brought a great level of truth to it."

It's a wrap. ■

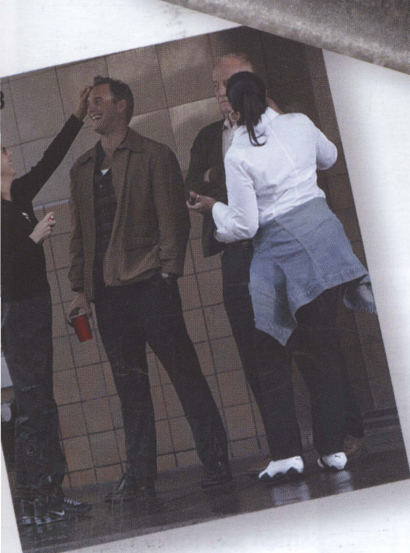
Visit UTEP Horizons Online News for photo galleries of "Glory Road" filming at www.utep.edu/horizons

1. The Bear on set: Filmmakers interview Don Haskins during the shooting at Graham Hall.

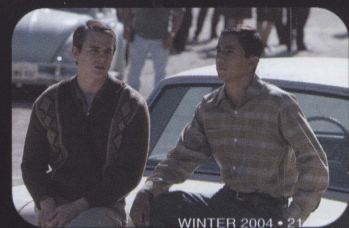
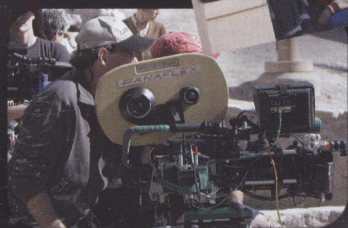
2. Welcome to the Northwest: This scene of drizzly Seattle was shot in Downtown El Paso on a sunny day.

3. Hollywood treatment: Crewmembers attend to Josh Lucas during a break from filming Downtown.

4. New home: Graham Hall greets the Haskins family after they arrive at Texas Western College for the first time.



Photos by J.R. Hernandez



UTEP enrollment hits record high

For the third year in a row, UTEP has registered a record fall enrollment — 18,918 students.

The enrollment represents a 2 percent increase over the previous high of 18,542 in fall 2003.

Figures show enrollment increases at the undergraduate level in each of the university's six colleges.



"We are delighted that UTEP's enrollment has continued to grow, despite increasing costs," says university President Diana Natalicio. "For each student, this is a positive step in preparing for a productive and satisfying life. For this community, it represents the promise of a brighter tomorrow."

New tuition rates have allowed UTEP to add over 400 new class sections, hire more than 50 new faculty members and increase academic support and research opportunities for students.

The fall 2004 figures also reflect a record 286 doctoral students enrolled, a 10 percent increase over fall 2003.

UTEP offers doctoral degrees in all academic colleges, including the recently approved Ph.D. in interdisciplinary health sciences. A Ph.D. in computer science has been approved by the U.T. System and could begin in 2005. ■

For more UTEP news, visit:
www.utep.edu/horizons



Awards and Accolades

Grant boosts teacher pool

The College of Education Alternative Teacher Certification Program has been awarded nearly \$1 million through the Transition to Teaching grant from the U.S. Department of Education.

The grant will be used to incorporate online teacher certification courses and provide scholarships for students seeking their certification. UTEP's Alternative Teacher Certification Program is designed to certify as teachers individuals who hold bachelor's degrees in disciplines other than education.

Within the three years of the grant funding, 24 areas of teacher certification will be offered online. Online alternative teacher certification courses in early childhood grade 4 generalist, and grades 4-8 language arts composite, were launched this fall via the University of Texas TeleCampus.

The online courses offer the opportunity to become a fully certified teacher in 12 to 18 months.

Fifty program participants will receive scholarships for their first six hours of coursework.

Grant helps colonia residents

UTEP's Center for Environmental Resource Management (CERM) has been awarded a \$600,000 grant from the U.S. Department of Housing and Urban Development for programs that will help colonia residents in El Paso and Doña Ana counties improve the energy efficiency of their homes.

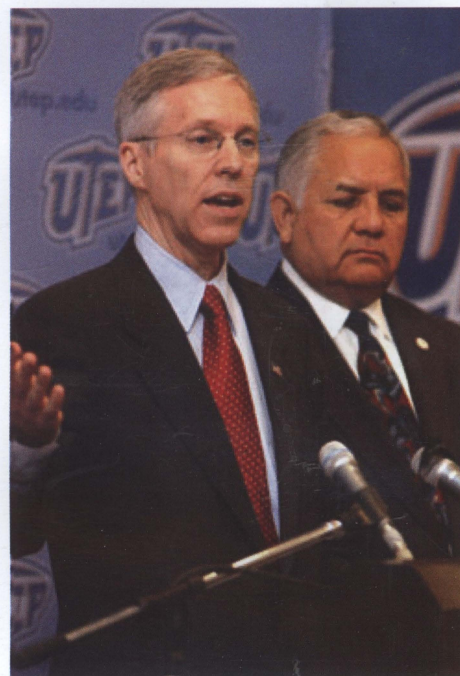
Colonias are unincorporated communities along the border that typically lack basic services such as water and sewer, flood control and road infrastructure.

The prestigious Hispanic-Serving Institutions Assisting Communities Grant will help fund activities through CERM's Partnership for Advancing Technology in Colonia Housing (PATCH) program. The funds will help create a revolving loan fund to allow colonia residents to purchase energy-efficient appliances and assist non-profit housing development agencies to

build Energy Star rated homes and install passive solar water heating systems.

Border Security Center

Legislation proposing the creation of a national Center of Excellence for Border Security indicates UTEP has the research capabilities and national and international resources necessary to house the center. Congressmen Silvestre Reyes (D-El Paso) and Jim Turner (D-Crockett) introduced a proposal to the U.S. House of Representatives in September.



Turner, left, with Reyes

The center would house educational and research projects on national security — focusing on the border — and serve as a training ground for first responders and policy makers in the U.S.-Mexico border region.

The congressmen say this location, coupled with UTEP's many ongoing border-related research projects, make the university the ideal test bed for national border security research. Additionally, they say, the El Paso region houses a wealth of military installations and federal and bi-national agencies key to the nation's security and defense. ■

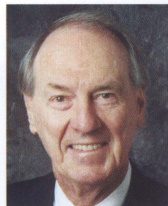
Development Board names new members

by Cindy Ramirez

UTEP has named four new members to its Development Board, a body of representatives charged with advancing the university's commitment to academics, research and student success.

Jimmy W. Janacek, Henry "Hank" Hernandez, Igancio Urrabazo Jr. and Russell Vandenburg are the newest members of the board.

Their terms run through Aug. 31, 2007. Robert C. Heasley of Lincoln Financial Advisors is chairman of the board.



Heasley

- **Janacek** graduated from Texas A&M University in 1965 with a BBA in accounting and became a certified public accountant in 1969. He worked as controller and vice president of finance for three international oil companies before retiring in 1992. Janacek, a Vietnam veteran, is also a retired rancher.

- **Hernandez** is president and CEO of Las Palmas Medical Center, part of the Hospital Corporation of America. He is a member of the board of the United Bank of El Paso del Norte and a past chair of the 500-member El Paso Hispanic Chamber of Commerce.



Hernandez

- **Urrabazo** is the CEO of Commerce Bank of Laredo, a charter bank of International Bancshares Corporation — the largest minority-owned bank in the United States. Urrabazo, a UTEP alumnus, has served as board chairman of the National Bankers Association and chair of Laredo's Chamber of Commerce.

- **Vandenburg** heads EPT Management Company, an international property management firm. Vandenburg played football for the Miners and earned a degree in education from UTEP in 1970. He taught English and coached football and track and field at Burges High School. ■



Vandenburg



Photo by J.R. Hernandez

Seriously Playful: Artwork by former UTEP student Paul Henry Ramirez, far left, was showcased at the inauguration of the university's Stanlee and Gerald Rubin Center for the Visual Arts.

Rubin Center for Visual Arts Inaugurated

Alumni art featured at center

Positioned to become a mecca for art on the border, UTEP's Stanlee and Gerald Rubin Center for the Visual Arts opened its doors to the public this fall.

The 14,700-square-foot center in Seamon Hall includes three exhibition galleries, state-of-the-art lighting and a 124-seat auditorium.

"The creation of the new galleries will enable us to expand our mission, and provide even more services to our students and our community," Rubin Center Director Kate Bonansinga says. "Our goal is to educate and to enlighten."

The renovations were made possible by donations from Gerald Rubin, CEO of the

beauty and personal care products distributor Helen of Troy; Rubin's wife Stanlee, a member of the Helen of Troy Board of Directors; and the Brown Foundation and the Houston Endowment.

The gallery's inaugural exhibits showcase the work of acclaimed New York artist and former UTEP student Paul Henry Ramirez, whose work is often accented with bundles of black hair-like tendrils.

Ramirez, 41, says some of his work was inspired by his childhood experiences. As a young boy, he combed wings for his mother, who managed a Helen of Troy store in Northeast El Paso. ■

Natalicio named to Rockefeller Foundation board

UTEP President Diana Natalicio is among three new members of the Rockefeller Foundation Board of Trustees.

Natalicio, Margaret Hamburg, M.D., and Alice Huang, Ph.D., were named to the board in October.

"Each brings significant expertise and leadership from her respective field, and has demonstrated a deep commitment to public service," says James F. Orr III, chair of the foundation's board.

Natalicio, a linguist and life-long educator, has served as UTEP president since 1988. She previously served as the University's vice president for Academic Affairs, dean of Liberal Arts and chair of Modern Languages. She has also served on the

National Science Board, as well as the Advisory Commission on Educational Excellence for Hispanic Americans.

Hamburg is vice president for biological programs at the Nuclear Threat Initiative and former health commissioner for the City of New York.

Huang, a world-renowned microbiologist, is senior councilor for external relations and faculty associate at the California Institute of Technology.

The Rockefeller Foundation is one of the nation's oldest and largest private philanthropies and is committed to improving the lives of people living in poverty. ■

FOOTBALL FUN AGAIN

Coach Price and team deliver exciting, winning season

By David Peregrino

Magnificent new buildings rising on campus, a successful 90th anniversary celebration, a Hollywood production about Don Haskins' championship basketball team...could 2004 get any better than this for UTEP?

Way better.



Price

Led by first-year coach Mike Price, the Miner football team clinched a winning season and brought untold joy this year to a down-on-its-sports-luck city.

By press time, a thrilling double overtime victory over Rice boosted the Miners' record to 7-2 overall and 5-1 in the WAC. Winners again, the Miners became eligible for a bowl game and, for the first time in school history, cracked the AP top 25 rankings.

Should the Miners finish in the top three in the WAC, bowl possibilities include the MPC Computers Bowl, the Silicon Valley Bowl and the Sheraton Hawaii Bowl.

"These past months have been some of the greatest months for football at the University," says Price after a practice on a crisp November evening.



Photos by J.R. Hernandez

The Miners delighted fans with a confident, explosive brand of football rarely seen beneath a UTEP jersey.

Coordinator Tim Hundley's intimidating defense ground opponents into the turf with big hits, often triggering spectacular plays off fumbles and interceptions. The fun-to-watch defense quickly made stars of defensive backs Jahmal Fenner and Adrian Ward, and linebackers Robert Rodriguez and Godwin Akinduro.

On the offensive side, the Miners proved unflappable.

Blown play? Forget about it. Expect the Miners to storm right back with quarterback Jordan

Palmer hitting wide receiver Johnnie Lee Higgins Jr. for a score. Expect

kinetically gifted running back Howard Jackson to bust loose again for a first down.

Price thanks UTEP alumni and all fans for the support they've shown the team this season.

"I really feel good about the atmosphere," Price says. "We're having fun, the fans are having fun, and we've brought a lot of pride to the university." ■



Athletic heroes honored

Staff Report

History-making athletes were inducted into the UTEP Athletic Hall of Fame in September. The Hall of Fame was established in 2002.

• **Bob Beamon** led the Miners to a fifth-place finish in the 1968 NCAA Indoor Championships. But it was in the 1968 Olympic Games in Mexico City where he made history: His long jump of 29 feet and 2 1/2 inches broke the old world record by nearly two feet and stood for 23 years. The jump still stands as an Olympic record.

• **Bobby Joe Hill** was the catalyst of Texas Western College's drive to the 1966 national basketball championship. The guard averaged 20.2 points during the Miner's NCAA Tournament run and finished the 1965-66 season with a team-high 15 points per game. Hill passed away in December 2002.

• **Don Maynard** led the Miner football team



Maynard

to the Border Conference championship in 1956. He was drafted by the New York Giants in 1958 and later played with the New York Jets. He helped take the Jets to Super Bowl III in 1969 and was inducted into the Pro Football Hall of Fame in 1987.

• **Ross Moore** devoted 42 years of his life to UTEP as a football player, coach and trainer. He played football and basketball at the Texas College of Mines, serving as captain of both teams in the 1930s. He later became the school's first full-time athletic trainer. Moore was inducted into the El Paso Athletic Hall of Fame in 1968 and the National Association of Athletic Trainers Hall of Fame in 1974.

• **Jesse Whittenton** was named the border

Conference Offensive MVP in 1955 and helped the Miners to eight-win seasons in 1953 and 1954. He later became a two-time All-Pro defensive back for the Green Bay Packers and was named to the Packers Hall of Fame in 1976.

• **The 1975 WAC** champion cross country team, the 1976 NCAA national champion cross country team, and the 1976 NCAA indoor championship track and field teams were also inducted. ■



Beamon

Basketball looks to build on 2004 momentum

Men picked to win league this season

Staff Report

Just a year after an impressive season, the UTEP basketball teams hope the 2004-05 will bring more fantastic finishes and magical moments.

They're off to a good start: The men's team is the choice to win the league championship in 2004-05, according to both the coaches' and media preseason polls. The women's team has been picked to finish fifth, according to the coaches' poll — the highest for the Miners in the past four seasons.

Regular season play began in late November.

The men's squad has many familiar faces and a new head coach — Doc Sadler, who was an assistant for the Miners during last year's NCAA Tournament run.

UTEP returns eight letter winners and three starters from last year's 24-8 club, including top scorers: senior forward Omar Thomas, junior forward Jason Williams, senior guard Filiberto Rivera and junior center John Tofi.

Sadler and his staff's initial recruiting class, rated best in the WAC, features junior college transfer Miguel Ayala and freshmen Stanley Branch, Vernon Carr and Kelvin Davis.

"I like this team," Sadler says. "I just hope we play as hard as we did last year. And I think we will."

On the women's side, head coach Keitha Green welcomes back eight letter winners from last season's squad, which won 16 games and advanced to the semifinals of the WAC Tournament. UTEP's 16 wins



Green (center)

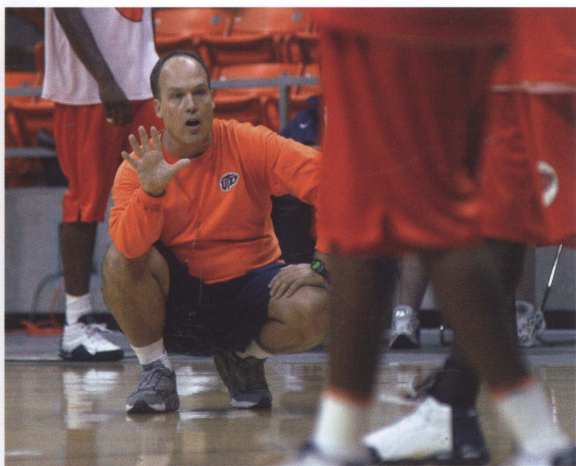
Photos by J.R. Hernandez

were the most in six years and tied for the second-highest win total in school history.

Returning this season are senior forward Angie McGee, senior center Marta Dydek, junior center Ingrid Goslin and sophomore forward Charnette Phelps, who was named to the WAC All-Freshman team.

The Miners also brought in seven newcomers, including junior guard Erica Yancey who was a junior college All-America selection at Penn Valley Community College.

"The whole key for our team is to get better as the season goes along," Green says. "With this many new players and this young of a team, our goal from day one is to get better and constantly make improvements." ■



Sadler

SportsinShort

UTEP teams take third at WAC championships

Both the UTEP men's and women's cross-country teams finished third at the Western Athletic Conference Championships this fall.

Rice University beat out the men's team for the championship title. Tulsa finished second. UTEP defending champion Mircea Bogdan placed second in the 8K race.

The Miner women finished third behind Southern Methodist and Rice universities.

Senior Adrian Pirtea placed third in the 6K race. El Paso native Suezette Luevano was named to the second team All-WAC.

Softball announces 2005 season

The Miner softball team opens their second season Feb. 4 at the Kickoff Classic hosted by UNLV in Las Vegas, Nev., before traveling to San Antonio on Feb. 11 to participate in the Fastpitch Express College Classic.

The schedule includes of four tournaments, 12 home and nine away games.



Rodriguez

"Coaches, players and fans will see a new situation, a new facility and a new team," says Kathleen Rodriguez, softball co-head coach. "Some of the teams we play will set the foundation for the WAC season."

Two UTEP soccer players named All-WAC honorees

Two UTEP soccer players were named All-WAC at the league's pre-tournament banquet in early November.

Senior defender Amber Mack and junior midfielder Kaletia Roberts both received second-team honors for the Miners. Roberts was also named to the preseason All-WAC team.

This marks the seventh consecutive year that UTEP has had at least two All-WAC honorees. The Miners finished the



Mack



Roberts

regular season tied for second with Rice University. The UTEP women's soccer team improved to 12-4-1 overall and 5-2-1 in the Western Athletic Conference.

UTEP's athletic department Web site has a new look!

The official home of the Miners, www.utepathletics.com, features the latest news on all 16 UTEP athletic teams, plus statistics, player and coach biographies, schedules and more.

Become a Miner Gameday subscriber to gain access to live video and audio feeds of selected UTEP sports.

Be a part of the action at www.utepathletics.com!



A piece of heaven

Movin' Miners visit centuries-old kingdoms, postcard views

By Lee Nelson

As part of the Alumni Association's Movin' Miners program this September, a dozen intrepid travelers journeyed to the source of UTEP's architectural style: the Kingdom of Bhutan.

Astounded by centuries-old temples and cultures in cosmopolitan cities filled with modern hotels and night markets, the travelers also visited Angkor, Cambodia, and Bangkok, Thailand. More trips are planned throughout the upcoming year.

While exploring three different cultures and countries, the group says it found astonishing natural and man-made beauty. Personal interaction with locals in each country, they say, created many surprising and pleasant experiences.

The greatest impressions were the sheer natural beauty of Bhutan, the intricate artwork and gentleness of the people.

The massive mountains treated them to idyllic scenes of rushing streams cascading down from melting glaciers. Prayer wheels turned, and all around were picturesque cliff-hanging temples and prayer flags.

The trip took the traveling dozen to the highest road in Bhutan, the 12,000-foot plus Chelela Pass filled with prayer flags and boasting a picture-postcard view.

The group participated in an annual Tsechu, a festival celebrating Bhutan's spirit and culture, held in the courtyard of a regional fortress. ■

Lee Nelson is director of the UTEP Alumni Association's Movin' Miners Travel Program. To read more on the trip, visit www.utep.edu/alumni



2005 MOVIN' MINERS SCHEDULE

• **Feb. 26 - March 5, 2005:** Sea of Cortés Marine Life and Whale Watching - Cruise in the unique Sea of Cortés. Prices start at \$1982 plus air.

• **March 24 - April 2, 2005:** Journey Through Spain - A journey through Spain that includes Madrid, Cordoba, Jerez, Seville, Costa del Sol, Valencia and Barcelona. From \$2,364 including airfare from El Paso. A deposit of \$300 holds your space until the final payment due Dec. 9.

• **May 15 - 22, 2005:** Western Caribbean Cruise - Sail away to Progreso (gateway to Yucatán), Cozumel, and Belize. A deposit of \$250 holds your space with final payment due by Feb. 11, 2005. Rates per person double occupancy: INSIDE \$895 with air from El Paso; OUTSIDE \$995 with air from El Paso.

• **For more information,** contact Lee Nelson at Lnelson@utep.edu, 915/747-8600 or toll-free 866/466-4637.



CONTACT US

It's easy to contact the UTEP Alumni Association:



Call 915/747-8600
or 1-866-GO-MINERS

- Visit us on the Web at www.utep.edu/alumni
- E-mail us at alumni@utep.edu



Job



Mora

Call for alumni awards nominations

The Alumni Office is accepting nominations for the 2005 Distinguished Alumni and Gold Nugget awards.

Nomination forms are available online at ia.utep.edu/alumni and will be accepted through Jan. 31.

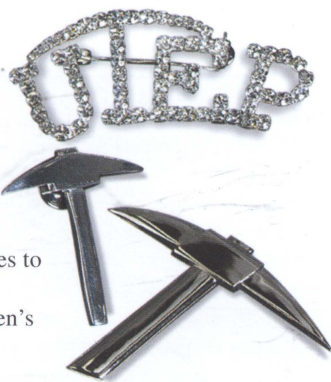
The Distinguished Alumni and Gold Nugget awards are sponsored by the Alumni Association. Honorees are presented at special events during Homecoming. Juan Roberto Job, corporate vice president of market management for the New York Life Insurance Co., and author and poet Pat Mora were the 2004 Distinguished Alumni.

Pins of pride

Lapel pins featuring either the UTEP logo in rhinestones or a silver pick are available from the UTEP Woman's Auxiliary or the UTEP Bookstore.

Proceeds support the auxiliary's 80-year effort of providing scholarships to deserving UTEP students. The auxiliary also contributes to departments on campus.

For information, contact the Women's Auxiliary at 915/584-8396 or the bookstore at 915/747-5594.



Call for board nominations

The UTEP Alumni Association is seeking nominations for its Board of Directors.

The Alumni Board represents all Alumni Association members in communicating with the University administration and in setting policy for the Association.

Directors are elected by the membership in the spring and serve a three-year term. Nominees must be current members of the Alumni Association. Deadline for nominations is March 30.

2004-05 Alumni Association Board of Directors

Kay Mooy, President

Lisa Ann Askenazi	Gerardo Licón
Elizabeth Dahl	Janice Munden-Spelman
Gilbert De La Rosa	Marilyn Munden
Norma De La Rosa	Diana Orígel-Gutiérrez
Clara Duncan-Adams	Mike Rosales
Joe Gómez	Scott White
Richard Gutiérrez	Laura Winter
Debbie Koch	Tony Woo

Thank you, sponsors

Contributions support Homecoming

El Paso area businesses contributed to a successful 2004 Homecoming by sponsoring several student and alumni activities. Funding from 19 companies supported the Alumni Association Pre-game Party, the Golden Grads Reunion, and events presented by the Student Government Association and the Student Development Center.

The Alumni

Association Board of Directors would like to thank the sponsors for their part in making UTEP's 2004 Homecoming a great success.



Check mate: The Class of 1954 Golden Grads Reunion Committee displays a giant \$1,500 check from the Alumni Association, which shares its homecoming sponsor donations with groups organizing events. Pictured from left are: William Quinn, Maj. Gen. (Ret) Jim Maloney, Jean Johnston, Alumni Association President Kay Mooy, Carol Gordon and Hughes Butterworth.

Cultivating the arts

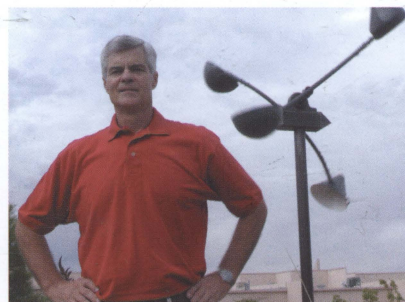
Proud of their UTEP ties, the Hughes family has dedicated a sculpture garden to display the works of UTEP art students outside the Hughes' Intelligent Office franchise on Remcon Circle. Alice Hughes, a graduate of UTEP's art program, gave



From left are: Bradley Hughes, Jeffrey Hughes, Alice Hughes and Dax Hughes.

back to her alma mater by offering this space for students to display their works. Art professor Ray Parish is the garden's curator. Alice's son Bradley also is a UTEP grad, and husband Jeffrey is a graduate of UTEP's Franchise Center. Part of the profit from sculpture sales will go to charity, the Hugheses said.

For more information: 915/842-8400 or visit www.theintelligentoffice.com



Curator Ray Parish, a UTEP art professor, stands before a wind-driven work of art at the Intelligent Office's sculpture garden.

30s **Laymon N. Miller** (B.A. '38), a retired acoustics engineer residing in Fort Myers, Fla., received the Acoustical Society of America's lifetime award, and presented the Distinguished Lecture, "Noise: My 62 Years of It!" at the organization's 75th anniversary meeting in New York City.

60s **Dr. Roger R. Delgado Jr.** (B.A. '66), a resident of Sebastopol, Calif., retired from surgical practice and will do volunteer work in his specialty.

Henry Doblado (B.B.A. '65) is the 2003-04 "Rookie of the Year" and treasurer for the El Paso Downtown Lions Club.

Anita Segalman (B.A. '64), of Northridge, Calif., created linoleum cuts for handmade art books that have been purchased by the J. Paul Getty Museum Library in Los Angeles.

Samuel A. Simon (B.A. '67), of McLean, Va., is chairman of the National Consumers League board and a member of the Virginia State Rehabilitation Council.

70s **L. Ray Cox** (B.A. '70; M.P.A. '87) retired from the El Paso Parks and Recreation Department as director after 29 years of service.

Dr. Martha Medrano (B.S. '77) received the 2004 UT Health Science Center at San Antonio Medical School Distinguished Alumnus Award. She is the school's assistant dean for continuing medical education and director of the Medical Hispanic Center of Excellence.

William Don Vandertulip (B.S.C.E. '73; M.S.C.E. '75) is the Texas Society of Professional Engineers, Bexar Chapter, 2004 Engineer of the Year.

80s **Francisco Hernandez** (B.A. '89), of El Paso, supervises casinos in Southern California for the National Indian Gaming Commission of the Department of the Interior.

Penny Wallace (M.S.N. '81) is the director of nursing for the Webb Clinical Research Facility at the University of Alabama at Birmingham.

90s **William Espejo** (B.B.A. '94) is the vice president of finance and acquisitions for Lynd Residential Properties in San Antonio.

Gerald S. Hitter (B.S.Ed. '90; M.Ed. '03) earned a master of education degree at UTEP in 2003, and is the instructional specialist at Riverside Middle School in the Ysleta Independent School District.

Linda A. Hitter (B.I.S. '96; M.Ed. '03) graduated from UTEP in 2003 with a master of education degree. She is currently the curriculum coach at Horizon Heights Elementary School in the Socorro Independent School District.

AnnaMarie Ochoa-Espejo (B.B.A. '96) is a senior auditor with USAA, a financial services company headquartered in San Antonio.

00s **Alyssa McKinney** (B.S. '02) is pursuing a master's degree as a physician's assistant at the University of St. Francis in Albuquerque.

Nicolas Mendez (B.S. '01), who is pursuing a master of education administration degree at UTEP, coached Cordova Middle School's football team to consecutive district titles in the El Paso Independent School District.

Michael Montes (B.S. '02) is a financial representative with the Northwestern Mutual Financial Network in El Paso.

Brooke M. Nowak-Neely (B.S.M.M.E. '02) is a student at the University of New Mexico School of Law in Albuquerque.

OBITS **Ricardo Aguilar-Melantzon** (B.A. '71; M.A. '72) Sept. 24, 2004. A resident of Las Cruces, N.M., Aguilar-Melantzon was a Spanish professor at New Mexico State University who was known internationally for his research in Chicano literature. He was named 2003 New Mexico Professor of the Year by the Carnegie Foundation for the Advancement of Teaching. He served as head of the NMSU languages and linguistics department, as a director of the New Mexico Hispanic Cultural Center and as

El Paso's music man remembered



Michael M. Salzman, a well-known El Paso businessman, musician and "educator at heart," died May 8, 2004. He was 59.

Salzman earned a bachelor of music degree from Texas Western College (now UTEP) in 1964, and later earned a master's degree from Northwestern University in Evanston, Ill. He taught music in Northfield, Ill., directed a Mobile Music Academy in Arkansas, and became a professor of music at Middle Tennessee State University.

In 1975, Salzman returned to El Paso to become vice president of Kurland-Salzman Music Co. His passion for music education helped turn the company into a local landmark, assisting thousands of area children to develop their talent and appreciation for music.

"Michael was an educator at heart and always a strong supporter of music in schools and the community," says his wife, Wilma. "He mentored area music teachers and sponsored their activities because he thought that music education was the most important thing for children."

He was also a generous supporter of El Paso's Symphony, Opera and Pro-Musica.

One of Salzman's greatest contributions to UTEP is the music collection of unedited music by a number of important composers left to him by his own piano teacher, Claude Herndon.

In Salzman's memory, his wife, family and friends have established the Michael Salzman Excellence Endowment in Piano Performance at UTEP. ■

associate professor of Spanish at UTEP. He also was an acclaimed writer whose novel, "Madreselvas en Flor", won Mexico's 1988 Jose Fuentes Mares national literary award.

Robert Perez (B.S.E.E. '51) March 25, 2003. A lifelong resident of El Paso, Perez was a U.S. Air Force veteran who retired as an electrical engineer for the U.S. government.

John W. McGinnis (B.B.A. '71) Jan. 12, 2004. McGinnis was a resident of Garland, Texas.

Virginia Stansbury Steenson Feb. 14, 2004. Steenson was a resident of Richardson, Texas. She was a longtime precinct chairwoman and election judge.

P.A. Pete Paredes (B.B.A. '39; M.A. '52) May 9, 2004. Paredes, who retired after 42 years with the El Paso Independent School District, was an assistant football coach and teacher at Bowie High School, the first head football coach at Jefferson High School, and the principal of Lincoln, Alamo and Zavala elementary schools. He also officiated at high school football games as a member of the El Paso Football Officials Association, and served as

official timekeeper at UTEP football games for more than 40 years.

Edith Mildred Kaplan (B.S.Ed. '69) May 15, 2004. Kaplan, of Golden Valley, Ariz., retired from teaching twice: first in Napa, Calif., and then in Yucca, Ariz.

Edith Gypsy Callaway (B.B.A. '34) May 27, 2004. Callaway, who resided in Durango, Colo., was a lab technician in Galveston, Texas, and, later, at her husband's private practice in Durango.

Horace Dean Bevan (B.S.M.I. '29) June 5, 2004. A resident of Spring, Texas, Bevan was retired from El Paso Natural Gas Co.

Joseph D. Joe Camarillo (B.B.A. '71) June 19, 2004. A resident of Kissimmee, Fla., Camarillo was a U.S. Navy veteran of the Vietnam War and a retired AT&T finance manager.

Royal Bailey Jackman (B.S.M.I. '30) June 19, 2004. Jackman was a resident of San Rafael, Calif. He was chief of engineering laboratories and manager of test operations at Northrop Corp., Aircraft Division.

Arthur A. Atta Abraham (B.B.A. '64) June 29, 2004. Abraham co-owned and was a butcher at

Abraham's Meat Market for 20 years. He later became an attorney and opened his own legal practice. A high school and college football player, he was inducted into the El Paso Athletic Hall of Fame in 2002.

Oscar H. Cano (B.S.C.E. '54) June 29, 2004. Cano, a resident of Costa Mesa, Calif., was the executive vice president, vice president of technology and a director of MMFX Technologies Corp. in Irvine, Calif. He also was board chair of the Society of Mexican American Engineers and Scientists and regional director of the Environmental Protection Agency.

Pauline Klink Abraham (B.A. '49) July 5, 2004. Abraham taught in the El Paso Independent School District and played violin with the El Paso Symphony Orchestra. She also was the choir director at St. George Antiochian Orthodox Church and sang with the El Paso Sungold Sweet Adelines.

Maj. William E. "Bill" Steinmann (B.S.Ed. '64) July 8, 2004. A U.S. Army veteran of World II and the Korean War, Steinmann retired from the military after 20 years of service. He then taught at El Paso High School until he retired in 1983.

Robert Alfred Grimes (B.A. '59) July 11, 2004. Grimes, who resided in El Paso, served in the U.S. Air Force as a chaplain's assistant before beginning a 35-year career with Southern Pacific Railroad. There he was a legislative representative for the United Transportation Union and retired as a conductor.

Lt. Col. James D. McChesney (B.A. '75) July 11, 2004. After 25 years in the U.S. Army, McChesney worked for the Ysleta Independent School District for 10 years as a criminal justice teacher.

Mary Lee Cleveland Beehler (B.S.Ed. '65) July 12, 2004. Beehler taught fourth grade for 17 years at Cedar Grove Elementary School in El Paso, retiring in 1976.

Margery Schuster Steinbach (B.A. '80) July 18, 2004. Steinbach, of El Paso, performed professionally as a ballerina in California and throughout the Western United States.

Lorenzo Arzaga (B.S.W. '81) July 15, 2004. Arzaga was a resident of El Paso.

Hector Lopez (B.M. '66) July 21, 2004. Lopez worked for 26 years with the El Paso Independent School District as a band director, counselor and assistant principal. He also played with the Mike Caranda Orchestra.

Thomas Edward Vanne (B.S. '88) July 21, 2004. Vanne, a longtime resident of El Paso, was the regulatory and quality director for medical devices at Mallinkrodt-Tyco. He conducted research under clinical trials for new cancer treatments and worked with the U.S. Food and Drug Administration and the Environmental Protection Agency on chemical sterilants for the health care industry.

Abelardo "Lalo" Delgado (B.S.Ed. '62) July 23, 2004. Delgado was an activist and poet who was considered the grandfather of the Chicano literature movement of the 1960s and 1970s. He was founder and president of Barrio Publications, which published most of his 14 books. He served as executive director for UTEP's Special Services Program, the Colorado Migrant Council and the Northwest Chicano Health Task Force in Seattle. He also taught Spanish and Chicano studies at several universities and colleges. He received the 1982 Tonatihu-Quinto Sol International Award for Literature and the United Nations Association, Colorado Chapter, 1995 Human Rights Award for his work with migrant children.

Lydia Ekdall Moye (B.A. '57; M.Ed. '67) July 25, 2004. Moye was a teacher in El Paso for 26 years, retiring in 1983. She received Teacher of the Year honors from the El Paso Independent School District for 1976-1977 and the Pilot Club of El Paso's 1963 Outstanding Teacher Award.

Howell Smith Collins (B.A. '58) Aug. 5, 2004. Collins taught at Burleson Elementary School in El Paso for 27 years, retiring in 1995.

Deborah Chambers Good (B.S.Ed. '74) Aug. 7, 2004. Good was a first-grade teacher at El Paso's L.B. Johnson Elementary School for 29 years.

Ann Harris Owen (B.A. '47) Aug. 12, 2004. Owen, a resident of El Paso, was an artist and sculptor.

Lt. Col. Dewey Ernest Fitzgerald (B.A. '47) Aug. 24, 2004. Fitzgerald was a veteran of the U.S. Army and

retired from the Army Reserves. He also worked in the measurement department of the El Paso Natural Gas Co., retiring in 1982, and then for the Red Wing Shoe Store.

Rosa Lee Watts (B.S.Ed. '66; M.Ed. '77) Aug. 25, 2004. Watts was an elementary school teacher at Biggs Army Airfield and Fort Bliss, Texas, for 35 years. She also sang with the El Paso Sungold Sweet Adelines for 37 years.

Samuel Rice King (B.S.C.E. '50) Aug. 30, 2004. A resident of Mankato, Kan., King was a U.S. Army veteran of World War II. He retired from the military in 1968 and then taught math at Coronado and El Paso high schools.

George T. Angelos (B.B.A. '53) Sept. 1, 2004. A U.S. Navy veteran, Angelos established George Angelos & Co., C.P.A., in El Paso, where he worked for 40 years.

Prentiss Merle "Brick" Bradley (B.S.Ed. '70; M.Ed. '77) Sept. 1, 2004. Bradley retired from the U.S. Army after 20 years. He then taught in the Ysleta Independent School

District until his second retirement.

Mary Evelyn Feedback (B.A. '56; M.Ed. '67) Sept. 1, 2004. Feedback retired as a teacher and then became a consultant for the El Paso Independent School District. She also was vice president, personnel committee chairwoman and a board member of the El Paso Teachers Federal Credit Union. She was listed in "Who's Who in American Educators" and was given the Friend of Children Award by the Association of Childhood Education.

Enrique "Henry" Zuniga (B.A. '60) Sept. 6, 2004. Zuniga, a resident of Houston, worked for the U.S. Department of Commerce and was appointed by President Reagan to serve as his special assistant. He was involved in the formation of the Minority Business Enterprise and the G.I. Forum, and, in 1984, was named director of the Small Business Administration in El Paso. He later became an elementary school teacher. — *Compiled by Shannon Kanorr and Howard Rigg*

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