

UNNM Today

Inside UNM Today

Specimens tell stories

Museum helps health, environmental research



3

Colonial-era travelogue

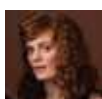
Morrow publishes new English translation



4

Composer's Symposium

Concerts celebrate N.M. centennial



7

Answering workforce demands

UNM-Los Alamos fills need for technicians



8

Technology changes face of education

BY KIM JARIGESE

Ten years ago, both students and faculty looked upon online learning with a skeptical eye. However, one UNM academic unit viewed this new way of delivering courses as a necessity.

In 2001 the UNM College of Nursing had a wait list for students wanting to enter the Registered Nurse to Bachelor of Science in Nursing program. After much planning and curriculum design, they launched a series of online courses to help students across New Mexico access the classes they needed to earn a



bachelor's degree in nursing. "Web-based courses address two critical nursing education issues for New Mexico. They bridge the geographic barrier for a large rural state and they offer the flexibility of course access anytime; and for a

Continued on Page 5

Africana Studies kicks off Black History Month with brunch

BY CAROLYN GONZALES

For more than 25 years, UNM's Africana Studies Program has hosted a brunch ushering in Black History Month reflections for all of Albuquerque. This has traditionally been the first major UNM-sponsored event of Black History Month.

This year's brunch is set for Saturday, Jan. 28, at 11 a.m. in the UNM Student Union Building ballrooms. The theme is "Black Women in American History, Culture and Politics," featuring political commentator, strategist and author Donna Brazile.



Donna Brazile

Brazile is an adjunct professor at Georgetown University, a syndicated newspaper col-

Continued on Page 4



Robert G. Frank, at the podium, attends a presidential announcement press conference with, from left, Student Regent Jacob Wellman and Regents Don Chalmers and Jack Fortner.

PHOTO BY JOHN SUMROW

Frank named 21st UNM president

BY CAROLYN GONZALES

Robert G. Frank becomes UNM's 21st president on June 1. He follows in the footsteps of former UNM presidents Tom Popejoy (1948-68), John Perovich (1982-84) and F. Chris Garcia (2002-03), who all attended UNM as students.

Frank, a native New Mexican, graduated from Mayfield High School in Las Cruces in 1970. "We moved to Las Cruces in my sophomore year after my dad retired from White Sands," he said.

The decision to attend UNM was easy. "I was offered a swimming scholarship at New Mexico State, but UNM had better athletics and aca-

demics. It was clear where I wanted to go. And Coach [John] Mechem recruited me pretty hard," he said.

Frank graduated magna cum laude from UNM in 1974. He went on to earn both his master's degree and doctorate in clinical psychology before taking a psychology internship at the University of Washington. His career includes academic and service stints at the University of Missouri-Columbia School of Medicine. He took a Robert Wood Johnson Health Policy fellowship 1991-92, where he worked with New Mexico Senator Jeff Bingaman on health reform. He continued work on state and federal

health policy when he returned to Missouri.

He said that the faculty decide where his academic appointment at UNM will be, but that he's anticipating a joint appointment in psychology and family medicine, because that is the Health Sciences Center department where public health resides. Frank's scholarship focuses on psychological adjustment to catastrophic injury and health policy.

As UNM president, Frank doesn't plan to teach, nor has he taught while provost at Kent State, but he said he did teach when he was dean at the University of Florida.

Continued on Page 5

UNM Day at the State Capitol set for Jan. 31

UNM showcases its mission of student success, research, healthy communities and economic and community development at UNM Day at the State Capitol on Tuesday, Jan. 31. UNM's involvement in the legislative process is already underway and will extend throughout the session.

Among issues of concern to the UNM community is support of the recommendation of the Higher Education Funding Task Force not to calculate tuition revenue credit. This is a tax on students and parents that has a negative impact on the solvency of the New Mexico Lottery Scholarship.

For the welfare of current and former education staff and faculty, UNM supports addressing solvency for the Education Retirement Fund and for all of New Mexico's retirement funds. With the



UNM's capital projects requests include renovation of Zollinger Library at UNM-Gallup

projected increase in state revenues triggering legislative intent in House Bill 628, UNM recommends reversing the 1.75 percent increased employee ERB contribution at the end of fiscal year 2012.

The New Mexico State Legislature will consider changing how institutions of higher education are funded. UNM was an active participant in the Higher Education

Department's effort to make fundamental changes to New Mexico's higher education funding formula. UNM supports the proposed metrics focused on education outcomes to increase: course completion rates; the number of graduates; science, technology, engineering, health and mathematics degrees and certificates; and graduation

Continued on Page 5



THE UNIVERSITY OF NEW MEXICO
UNM TODAY
UNIVERSITY COMMUNICATION
& MARKETING DEPARTMENT
MSC04 2545
1 UNIVERSITY OF NEW MEXICO
ALBUQUERQUE, NM 87131-0001

ADDRESS SERVICE REQUESTED

NON-PROFIT ORGANIZATION
U.S. POSTAGE PAID
ALBUQUERQUE, NM
PERMIT NO. 39

In Brief

INSTRUCTORS TO SHARE STRATEGIES FOR SUCCESSFUL LEARNING

The annual “Success in the Classroom: Sharing Practices that Work” conference provides a forum for instructors to share insights into successful teaching and learning on Wednesday, Feb. 15. A luncheon keynote address on “A Scholarly Approach to Science Education: Key Tools for Transformation



Noah Finkelstein

at a Critical Time Nationally” will be presented by Noah Finkelstein, director, integrating STEM – science, technology, engineering and mathematics – education and associate professor, physics, University of Colorado.

Speakers present on methods and approaches they have implemented in classrooms or online environments. A poster session provides an alternative venue for discussion.

Participation is open to all teachers from all UNM campuses. Registration is not necessary for the conference, but reservations are required for the luncheon. Contact the Office of Support for Effective Teaching at (505) 277-2229 or oset@unm.edu.

UNM FOUNDATION TO HOST COURSE FOR GRANT SEEKERS

The UNM Foundation hosts a Grantsmanship Training Program in Albuquerque Monday, Feb. 13-Friday, Feb. 17. The intensive, hands-on workshop for nonprofit and government grant seekers takes participants step by step through all stages of planning programs, researching funding sources and writing proposals.

The course is conducted by The Grantsmanship Center, the world’s largest grantsmanship training organization for nonprofits.

Registration is limited to 30 participants. Tuition is \$895, and \$845 for each additional registration from the same organization. UNM faculty and staff can use tuition remission.

UNM staff and faculty may register by contacting

Sherry TenClay at sherrytc@unm.edu or (505) 277-6038. Other participants may contact The Grantsmanship Center at (800) 421-9512 or tgci.com.

HORN LECTURE EXAMINES ‘LIFE IN THE 19TH CENTURY WEST’

The Center for the Southwest, UNM Department of History, announced the 2011-12 C. Ruth and Calvin P. Horn Lecture in Western History and Culture. Featured speaker Martha Sandweiss, professor of history, Princeton University, presents “Lost Tales, Forgotten Women, and the Violence of Everyday Life in the 19th Century West,” on Thursday, Feb. 2, 6 p.m. in the Student Union Building, Lobo rooms. A reception follows the free lecture.



Martha Sandweiss

The Horn Lecture in Western History and Culture series is in its 25th year. Calvin Horn was one of New Mexico’s most beloved civic leaders. He and Ruth shared a passion for learning and became lead supporters of Manzano Day School and UNM.

JAR FEATURES ‘BIRTH OF A LANGUAGE’

William Hanks, distinguished professor of anthropological linguistics, University of California Berkeley, speaks on “The Birth of a Language: The Formation and Spread of the Colonial Yucatec Maya Language” on Wednesday, Feb. 15, at 7:30 p.m. in the Anthropology Building lecture hall, room 163.



William Hanks

The lecture explores the post-conquest Spanish policy of *reducción*, a forced Hispanization that transformed the Maya language in the Yucatan Peninsula, along with Christianization, resettlement and cultural assimilation, including conversion to Spanish Catholicism. Hanks will speak about how

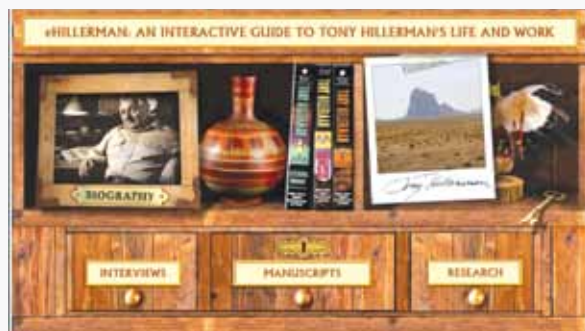
the legacy of this long process is apparent in the Yucatec Maya language and culture today.

The free lecture is sponsored by the Journal of Anthropological Research.

GIFTS TO UNM LIBRARIES SHOW HILLERMAN’S CREATIVE PROCESS

Tony Hillerman taught journalism at UNM 1966-87, but he is best known for his detective novels, set among the Navajo people in the Four Corners region. Before he died in 2008, Hillerman made sure he would continue to teach and mentor young writers by leaving his papers and manuscripts to the Center for Southwest Research at UNM’s Zimmerman Library. These materials offer a glimpse into the writer’s creative process while they celebrate the natural beauty and people of New Mexico.

Many prominent authors, politicians and scientists leave their papers to a library to be studied by historians and students. Anyone who wants to examine these papers must travel to the site, put on white gloves and dig through boxes and folders. Thanks to a gift from an anonymous donor, fans and students of Hillerman’s work will soon be able to explore his papers, original manuscripts and idea notebooks interactively online.



PAWS AWARDS RECOGNIZE STAFF

The UNM Staff Council is accepting nominations for the monthly PAWS – People Appreciate Wonder Staff – Award. The award recognizes staff who serve as role models and show initiative, integrity and a positive attitude.

The Staff Council’s rewards & recognition committee is seeking nominations through Friday, Jan. 27. To download a nomination form, visit staffcouncil.unm.edu.

Health Forum

Baby steps

Clinic brings full prenatal care to Sandoval County

By LAUREN LEWIS

The UNM College of Nursing took its first step toward operating a primary care clinic in Sandoval County by accepting its first group of patients – all pregnant women – last summer.

The plan for the nurse-managed faculty clinic, Family Health Partnerships/Compañeros de Salud Familiar, is to first provide care for pregnant women and eventually expand into a primary care clinic for the entire community.

The clinic currently offers group prenatal care and maternity services.

“We’re the first to provide full obstetrics group care for women in this area,” said Christine Cogil, certified family nurse practitioner and clinical instructor.

“Before, many women were not receiving full prenatal care especially toward the end of their pregnancy. They would drop off at 28 weeks because it was hard for them to drive to Albuquerque. We wanted the clinic to help fill that gap of women dropping off in their prenatal care.”

The clinic sees groups of women at a time



and keeps the groups together throughout their prenatal care and the infants’ first year. This approach allows the women to form a strong support network, and the nurses and students get to experience what working in a community clinic is like.

“It’s so wonderful to watch the groups,” said Felina Ortiz, UNM College of Nursing faculty and nurse midwife clinical instructor. “We’re just the facilitators and the women are actually the educators. They share stories and give advice. It’s really nice to watch a community come together.”

In addition to providing the community more access to health care, the clinic serves as an educational site for nursing students.

“The students really benefit from working with the groups of women,” Cogil said. “They don’t normally work with groups in other clinics, and this allows them to really see how a community-based clinic works. It’s about listening to the community’s needs and giving them health care that is specific to those needs.”

Visit nursing.unm.edu.

Student News

Front-line view of inequality brings student to health care policy

By CAROLYN GONZALES

Shannon Sanchez-Youngman got her undergraduate degree in political science at UNM. She briefly pursued a graduate degree at the University of Minnesota and conducted research there. “It was so abstract. I felt like I wanted to do something in the world,” she said.

She spent the next 10 years working in social programs, such as teaching GED courses for Welfare to Work and serving as an outreach coordinator for a domestic violence shelter. “I saw what poverty really looks like. I grew concerned about social and racial inequality on the ground, in the lived experiences of people,” she said.

Sanchez-Youngman grew frustrated with the way money was allocated for programs. “Doling out benefits doesn’t address the causes that emanate from social inequality,” she said.

She started thinking that policy level changes needed to be made. “Is it effective to provide psychosocial treatment when it may be more effective to look



Shannon Sanchez-Youngman

at the inequities and how they emerge and develop policies that don’t ignore this?”

That way of thinking brought her to the Robert Wood Johnson Foundation Center for Health Policy at UNM.

Sanchez-Youngman’s dissertation focuses on how immigrants are represented in political rhetoric and policy making in the Affordable Health Care Act.

“In New Mexico, people are more likely to support inclusion of immigrants, especially those individuals who are uninsured themselves. Many think that the uninsured view immigrants as competitors for

Continued on Page 5

Museum helps researchers find answers to health, environmental challenges

By SARI KROSINSKY

Natural history museums usually evoke the image of a literal showcase of life in its many forms. Behind the scenes, museums work not only to preserve but to expand knowledge about our planet's biodiversity. The UNM Museum of Southwestern Biology is a resource to scholars researching questions that can shape public health and deepen understanding of the natural world.

Most of the museum's collections are among the largest and most diverse of their kind for the Southwest, including the region's largest bird collection. Some collections reach far beyond those borders, including the largest collections of Bolivian and Mongolian mammals worldwide.

Each specimen has a story to tell. "Think of each specimen like a book. As research-

ers do studies on a specimen, they write the chapters of the book," said Joe Cook, director and curator of mammals, Museum of Southwestern Biology, Department of Biology, College of Arts and Sciences.

The plant and animal specimens – some going back 100 years – can help researchers answer important questions regarding pathogens, climate change, loss of biodiversity, invasive species and changing habitats, Cook said. The location and date of each specimen is recorded, providing a baseline that allows researchers to identify changes in a given place over time.

Cook said scientists at UNM and others accessed the reservoir of specimens at the museum and found that hanta virus – believed to be a new virus in 1993 – appeared in the deer mouse at least as

early as 1978. He said UNM needs to continue building the library of specimens to answer the big questions – like from where the next deadly pathogen may come.

A more recent project is working with the United States Fish & Wildlife Service in their effort to reintroduce the Mexican gray wolf, using UNM's specimens to assess genetic variability.

The Museum of Southwestern Biology also offers online databases, making information about the specimens accessible worldwide. They interface with other databases such as GenBank and Google Earth, where one might map where a given species is found in a particular year. Through a National Science Foundation grant in collaboration with Harvard, Berkeley and University of Alaska, the museum is building educational

modules teachers can download to explore biodiversity.

Grants and contracts to the museum brought in more than \$10 million in fiscal year 2010-11.

Specimens are used in classes and in research by UNM faculty and students, as well as visiting scholars. Undergraduate Opportunities, or UnO, a NSF-funded, museum-based program, prepares undergraduate students for graduate study and careers in research. UnO students receive a stipend and funding for research and related travel.

The Museum of Southwestern Biology, in the CERIA building, is open by appoint-



Using the resources of the Museum of Southwestern Biology, researchers found that the hanta virus appeared in the deer mouse at least as early as 1978 – 15 years earlier than previously believed.

ment only. Call (505) 277-1360 or visit msb.unm.edu. ■

This is the third in a series of articles on UNM's museums, keys to the university's mission to provide education, research, public service and economic development to the state. Admission to all museums is free, though donations are welcome. Visit unm.edu/arts.

NCAA CHOICES raises alcohol awareness

By STEVE CARR

Alcohol misuse by college students is a concern to both UNM and the National Collegiate Athletic Association. To make college students more aware of the consequences of alcohol abuse, the NCAA teamed up with member institutions and developed a grant program for alcohol education called CHOICES.

It's an effort to educate all students, not just student athletes, about the risks of alcohol abuse. The program was developed through the support of the NCAA Foundation and Anheuser-Busch Companies.

The Campus Office of Substance Abuse Prevention and the Athletics Department are working together on "Choices

for a Healthy U" at UNM, said COSAP Program Manager John Steiner. "Vice President for Athletics Paul Krebs and his staff have shown that they are truly interested in the welfare of our student athletes, and UNM students in general, with their energy and enthusiasm for this important collaborative effort."

"The grant presents a tremendous opportunity for athletics and the campus community to partner in battling an important problem that has traditionally impacted not only student athletes but all students at the university," said Henry Villegas, assistant athletics director, academic services. "It supports the university mission and ultimately supports student welfare and retention."

The initiative includes electronic CheckUp To Go, or e-Chug. "The e-Chug is an online alcohol instrument that students fill out with their current drinking levels and get some good feedback on their level of risk assumed, potential consequences and where they fit into college norms," Steiner said. "It also gives them lots of

info on how to moderate their drinking and stay safe."

At UNM, all student athletes are asked to complete the e-Chug. It's also used optionally for new students during the orientation process.

Other objectives include a videotaped message featuring Lobo head coaches broadcast during home football and men's and women's basketball games, cherry stadium cups with social norms messages distributed with student tickets at UNM ticket offices, a presentation on the impact of alcohol on athletic performance delivered to teams and coaches by student athletes, a campus-wide social norms media campaign aimed at the entire student body and posters in residence halls and other campus locations.

Steiner is also meeting with academic advisors to make them aware of the connection between substance abuse and academic success and retention.

COSAP is a program of the UNM Center on Alcoholism, Substance Abuse and Addictions, CASAA. Visit unm.edu/~cosap. ■



Highland High School, Albuquerque, N.M.

New clinic expands access to dental hygiene

By CINDY FOSTER

The UNM Division of Dental Hygiene, which operates three school-based dental clinics serving four middle schools – Van Buren, Wilson, Native American Community Academy and Grant – opened a new clinic at Highland High School.

Although New Mexican school children receive dental care via mobile dental programs throughout the state, UNM initiated the first school-based permanent dental clinic with the help of Delta Dental of New Mexico.

The UNM School Based Health Centers, SBHC, in conjunction with the UNM Division of Dental Hygiene, operates dental clinics providing preventive services in coordination with the nearby UNM Southeast Heights Dental Clinic.

That clinic also offers additional restorative services while exposing UNM dental hygiene students to a school-based clinic setting. The SBHC dental program provides dental cleanings, fluoride treatments, sealants, individualized and classroom oral health education, dental exams and referrals for needed treatment. Each dental hygienist works with parents, teachers and dentists to ensure optimal dental health for all students.

The UNM School Based Health Center, in cooperation with the

Division of Dental Hygiene, maintains a coordinated group of licensed dental providers to ensure access to quality oral health care for students attending Van Buren Middle School and Highland High School. This program is established to improve the overall health of Van Buren Middle School and Highland High School students by striving to meet established program goals, including:

- Patient care through providing comprehensive dental hygiene assessment, treatment and referrals
- Education on the significance of high-quality personal oral hygiene, proper diet and nutrition, diagnoses and maintenance of systemic diseases, and avoidance of addiction forming substances to maintain a state of health
- Oral hygiene instruction
- Increasing access to dental care
- Raising the overall number of students who seek and receive preventive dental hygiene care by providing an environment that is readily available within the school setting
- Generating nontraditional practice settings that provide high-quality oral health care
- Promoting oral health needs of children.

Contact Christine Nathe, clinic director, at cnathe@salud.unm.edu or (505) 269-8406. ■



UNM Parent Day returns at the Pit

By STEVE CARR

The Pit will howl with Lobo parents on Saturday, Feb. 11, when the UNM men's basketball team takes on Wyoming in the fourth annual Parent Day at the Pit. The UNM Parent Association hosts the event to acquaint parents with the association, connect with UNM and help raise funds for student scholarships.

The pre-game event features a reception, a luncheon and online and silent auctions. Steve Stucker from KOB Eyewitness News 4 will emcee, with appearances by Lobo Louie and Lucy and the UNM cheer squad. Festivities begin

at 10:30 a.m. at the UNM Student Service and Support Center, 1155 University Blvd. SE, just north of the Pit. Game time is 1:30 p.m.

"This is a great opportunity for parents to connect with their student and the university," said Maria Probasco, UNM Parent Association president. "Many of our parents and families look forward to this event every year as they enjoy spending time with their student, networking with other parents and meeting members of the UNM administration."

Two ticket options are available. The first includes the

pre-game reception with lunch, drink and dessert for \$11 per person. The second includes the pre-game reception and a ticket to the basketball game for \$28 each. A limited number of game tickets are available.

All proceeds from the auction benefit the UNM Parent Association's scholarship fund providing need-based aid to UNM students.

For registration and event information or to volunteer or donate an item for the auction and raffle, visit parentassociation.unm.edu. Call Christina Kitsos at (505) 263-6716 or Anthony Gallegos at (505) 720-2076. ■



This photo of a Buick at UNM circa 1942 with an unidentified man comes from the Brooks Studio Collection in the Albuquerque Museum's archives.

Take nostalgia trip on N.M. Statehood website

University Libraries Center for Southwest Research built a website that allows computer time travel. Historic photos from many New Mexico state museums are available at nmstatehood.unm.edu. Included on the website are historic UNM photos.



The 1948 UNM cheerleaders photo comes from the UNM archives at the Center for Southwest Research.



The 1901 UNM women's basketball team photo comes from the Center for Southwest Research.

Continued from Page 1 Black History Month

umnist for United Media, a columnist for Ms. Magazine and O, The Oprah Magazine, and an on-air contributor to CNN and ABC, where she regularly appears on "This Week with Christiane Amanpour."

She is the author of best-selling memoir "Cooking with Grease: Stirring the Pots in American Politics" and has worked on every presidential campaign from 1976 to 2000, when she served as campaign manager for former Vice President Al Gore, becoming the first African American woman to manage a presidential campaign.

Brazile's passion is encouraging young people to vote, to work within the system to strengthen it and to run for public office. She is currently

vice chair of voter registration and participation and former chair of the Voting Rights Institute of the Democratic National Committee.

Brazile has been recognized for insight into the American political system as one of O, The Oprah Magazine's "20 Remarkable Visionaries," the "100 Most Powerful Women" by Washingtonian magazine and the "Top 50 Women in America" by Essence magazine. She received the Congressional Black Caucus Foundation's highest award for political achievement.

Tickets for the brunch are \$25 and are available at: unmtickets.com or by calling UNM ticket offices at (505) 925-5858 or toll free at (877) 664-8661. For table sales, contact Alfred Mathewson at mathewson@law.unm.edu or call (505) 277-5820. ■

Colonial-era travelogue differs from 20th century accounts

Morrow publishes first complete English translation

By CAROLYN GONZALES

Remember seventh grade social studies and learning about Alvar Nuñez Cabeza de Vaca? He was the Spanish explorer who landed in what is now Tampa Bay and made his way to Galveston, but most of his men didn't. You probably didn't learn about Cabeza de Vaca's expeditions in South America.

The explorer's 500-year-old accounts have never been available in English, until Baker Morrow, landscape architect and founding director of the UNM School of Architecture and Planning's landscape architecture program, took up the task to translate the accounts into modern English. Morrow's book, "The South American Expeditions, 1540-1545, Alvar Nuñez Cabeza de Vaca" (UNM Press), is more than translation.

"There is a Victorian era English translation of the account, but the preface was left out – it doesn't show up in many Spanish versions, either. In it, Cabeza de Vaca is courting favor with the Spanish king," Morrow said.

Morrow said that Cabeza de Vaca's words contradict how the explorer's life is portrayed in 20th century accounts. Those accounts indicate he was deposed by his own government and sold down the river to Ascención, then to Buenos Aires. From there he was sent back to Spain to discredit him.

"It's a great line – 'home in chains in disgrace.' They say he was tried by the Council of the Indies and died a poor, lonely and broken man in southern

Spain. But it's nonsense!" Morrow said.

Morrow said that Cabeza de Vaca returned to favor in the eyes of the Spanish court and became a representative to the Spanish court from his town.

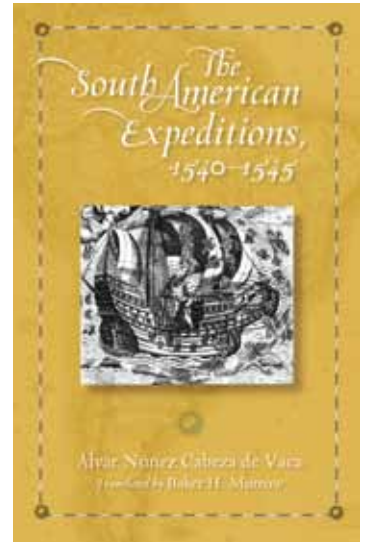
Morrow thinks that because the court cases are written in esoteric language, perhaps they just weren't well understood.

"He was a nice guy for the 16th century," Morrow said. "He was tremendously fair to the Indians. He punished his men when they stole from them and made them pay the Indians for lodging, food and for using them as guides."

"He was not a great conquistador, but he was a great explorer," he said. Cabeza de Vaca's South American explorations were in areas now part of Paraguay, Brazil and Bolivia.

How does a landscape architect delve into the world of a Spanish explorer in South America? He'd been interested in Cabeza de Vaca since his father and grandfather told young Baker about him as the great Southwestern explorer in the 1500s. He taught a course about Latin American landscape architecture, which is the only course that looks at the development of landscape architecture from pre-Colonial times to the present.

Morrow said that he was able to conduct most of his research at the University Libraries. "They have a fabulous quantity of books and research material on the Spanish conquest, including the entire series of



court cases against Cabeza de Vaca," he said.

"He documented his explorations at a time when there was no such thing as a travel book or memoir. It is unusual in exploration and conquest. Cabeza de Vaca created a saga of North and South America that is unique in world literature." ■

Book discussion and signing events

Friday, Jan. 20, 4:40-6 p.m. in the main gallery and auditorium of the UNM School of Architecture and Planning, Pearl Hall.

Sunday, Feb. 5, 3 p.m. at Bookworks, 4022 Rio Grande Blvd. NW, (505) 344-8139.

UNM endorses open access for researchers

By KAREN WENTWORTH

UNM joined 22 research institutions, associations and foundations in the United States, Canada and Mexico in signing the Berlin Declaration on Open Access to Knowledge in the Sciences and Humanities. The declaration commits UNM to work toward publishing as much research in open access online publications as possible.

It's a noble idea and a difficult reality. Most university researchers are anxious to see their work as widely and openly published as possible. It helps them to be recognized as contributing members of their professional fields, but it gets sticky when tenure enters the picture.

When a committee evaluates a faculty member for tenure, they look at where they have published. Articles in the most prestigious, peer-reviewed journals are an important part of a curriculum vitae, or CV, but publishing in a professional journal often means entering a world where information is shielded from the general public.

A researcher publishing an article in Tetrahedron,

an international journal in organic chemistry, must assign copyright to the publication. University Libraries subscribes to the online publication, but someone unaffiliated with UNM who wants to read an article may not have access.

The journals vigorously protect the research they publish because it makes subscriptions more valuable. The publisher of Tetrahedron lists an institutional subscription at more than \$21,000 a year.

The U.S. government has tried to make research more publicly accessible. Any researcher now receiving grant money from the National Institutes of Health must agree to publish research results in an open access journal. The National Science Foundation is considering a similar requirement, but many federal and private funding entities don't require open access publication as a condition of grant funding.

So a faculty researcher is walking a fine line. Publish in open access journals where the work is easily available to the public, but which might be considered a less prestigious

publication in the academic community. Or publish in a prestigious journal that limits public access to people or institutions that can afford the subscription price.

Mark Burge, professor, Department of Internal Medicine, UNM Health Sciences Center, said, "My role as a researcher is to get my research published. If I want to publish in Diabetes Care Journal, I am required to give them the copyright." He said the National Institutes of Health's open access requirement for grant recipients gives health researchers leverage in dealing with publishers.

Burge would like to see the university take a firm stand on open access publication. "It's easier for a researcher negotiating a copyright agreement to have the power of his institution behind him. A young researcher fighting for open access publication is in a very difficult position," he said.

He hopes UNM's decision to sign the Berlin Declaration is a first step toward backing open access publication for researchers across the institution. ■

Employee Spotlight

For Polli, science generates art, art conjures science

By SARI KROSINSKY

When Andrea Polli came to UNM in 2009 as Mesa del Sol endowed chair of digital media, she was already renowned for her work in new media and electronic art. She had helped develop and steered new media programs at other campuses – including Hunter College, Robert Morris College and Columbia College – but UNM offered a distinct advantage.

Polli, UNM associate professor, College of Fine Arts and School of Engineering, said that in UNM's Interdisciplinary Film and Digital Media Program, she saw “interdisciplinary work happening here seamlessly” – more so than she'd seen anywhere else. She served as the founding director of IFDM and director of ARTS Lab 2009-10.

“In New Mexico, you can do things that would be impossi-

ble anywhere else,” especially in connecting art and technology, she said.

Much of Polli's artwork is concerned with climate change. “Particle Falls,” a recent piece projected on a building, shows a waterfall that reacts to real-time air pollution data in the area. The waterfall might burst into flames in response to car exhaust or cigarette smoke.

She also collaborates with atmospheric scientists to develop systems for understanding storm and climate through sound – called sonification. Her projects include a real-time multi-channel sonification and visualization of weather in the arctic and an audio CD of sonifications from a seven-week stay in Antarctica on a National Science Foundation grant.

Another recent project of Polli's adds business to the art

and science mix. She collaborated with artist Chuck Varga and students in her Social Media Workgroup on “e-Oculus,” a permanent installation at the University of Utah's Eccles School of Business.

Through an LED screen in the iconic shape of the Great Salt Lake, “e-Oculus” presents a virtual window on the universe of business and economics. Real-time stock market data triggers changes in the computer visualization of lake and sky.

As a teacher, Polli said, “I try to connect students to the real world as much as possible.” Her courses at UNM cover practical concerns for artists like the open source movement, intellectual property, and grant and proposal writing.

Connecting students with the world is a core aspect of the art and ecology program.



Andrea Polli works on the e-Oculus public art commission for the University of Utah. The visualization is by UNM student Eric Geusz. PHOTO BY CHUCK VARGA

“Art and ecology takes students out into the landscape and community,” she said.

Current projects include working as artistic director of the International Symposium on Electronic Art, Sept. 19-24, 2012. Albuquerque is the first

host city in the United States in six years.

“Working on the symposium with our partners is a great way to get to know all the amazing art, technology and science happening in New Mexico,” Polli said.

Continued from Page 1

Frank

When Frank took the position of dean of the College of Public Health and Health Professions at the University of Florida, he also served as a professor in the Department of Clinical and Health Psychology. During his tenure at Florida, the college established the public health program and is now accredited by the Council on Education for Public Health.

Since 2007, Frank has served as Kent State University's provost and senior vice president for academic affairs. During his tenure, Kent State established a College of Public Health, increased enrollment by 23 percent, increased retention by four percent, and revised promotion and tenure rules.

In 2011, Frank was appointed by the United States Department of Defense to the defense health board, a federal advisory committee to the secretary of defense.

In 2010, Frank was recognized through Jackie and Dan Devine's endowment of the Robert G. Frank professorship for the dean of the College of Public Health and Health Professions at the University of Florida.

Frank's experience bridges athletics and the Lomas divide. He sees “small integration” from



Undergraduate Bob Frank of the UNM men's swim team prepares to jump into the pool in Johnson Center (1972).

PHOTO COURTESY OF UNM ARCHIVES

north, south and branches, but added, “To develop a common vision for the enterprise, we have to bring participants together and rely on the strength of the faculty.”

Frank said that his first 100 days will be a period of listening and learning from constituency groups on and off campus. “I will be learning about the community,” he said. He added that communication is key. “It's important to have redundant systems to tell people what you're doing so that your agenda is clear,” he said. He also said he will be available to the press.

Editors from Kent State's student newspaper acknowledge

Frank's accessibility and forthrightness in a recent article.

“It is no secret that student media has had a fluctuating relationship with university administration in the past, and from our perspective, Frank has been one of the most open and receptive administrators to speak with. Now that he's leaving, we can only hope his successor will continue in his footsteps.”

Frank sees a lot of potential at UNM. “We need to focus on the university's strengths, accomplishments and potential and expand upon them to benefit Albuquerque and New Mexico,” he said. ■

Continued from Page 1

UNM Day

by at-risk students.

Because of the cuts higher education has suffered during the economic crisis – more than \$93 million to four-year institutions, \$28 million to UNM alone – UNM recommends considering the fiscal year 2012 operating budget as the base for future budgets, with the new outcomes measures funded over that base.

Following the defeat of the

2010 General Obligation Bond for higher education, New Mexico's construction industry suffered a loss of 20,000 jobs, accounting for 40 percent of job losses in the state during the economic crisis, according to Mark Snead of the Federal Reserve Denver Branch. UNM's capital projects requests – totaling \$34.8 million for main campus, \$29.5 million for the Health Sciences Center and \$14.5 million for branch campuses – would both bolster the economy and fund needed

renovations and expansions.

Statewide research and public service programs have been cut 60.1 percent for UNM's main campus and 35.5 percent for the Health Sciences Center over the past three years. UNM requests that no further cuts be made. UNM recommends increasing funding for the B.A./M.D. program and other health related programs, for which Legislative Finance Committee members have voiced support.

Visit govrel.unm.edu. ■

Continued from Page 1

Technology

profession that functions 24/7, flexibility for course work is crucial,” said George Shuster, associate professor, UNM College of Nursing.

Online learning is not for the individual who doesn't want to interact in a classroom environment. It is, more often than not, for busy people with active lives who need more hours in the day than are available but who want potentially a lot of interaction with instructors and fellow students.

“The majority of online students attend UNM's main campus. In addition, we are also serving over 1,000 online students throughout New Mexico,” said Jerónimo Domínguez, vice provost, UNM Extended University.

For the learner who is trying to manage work and college, taking classes anytime and anyplace is a necessity. For students who cannot relocate to UNM's main campus, online

Continued from Page 2

Student News Health care

health care dollars, but the opposite turned out to be true. The uninsured are empathetic with the immigrants' plight,” Sanchez-Youngman said.

She said Latinos have the lowest insurance rate of any group in the United States. “Within New Mexico and at the national level, Latinos are supportive of immigrant access to health care reform.”

She said that the support includes public options in health care. “Federal reform efforts didn't include a public option, one that expands insurance coverage to all the uninsured.”

What was included in the federal reform plan was the expansion of Medicaid to high

degree completion programs provide an opportunity to earn a degree.

As technology for online learning evolves, the gateway to college could be through the communication device that fits into the palm of a hand. Applications are being designed for smart phones that have a mobile interface for education.

“It is our hope that UNM can provide mobile application support to fit with our distance education strategies in the near future,” said Debby Knotts, director, New Media and Extended Learning, the unit that works with faculty to develop online courses.

Will the continued growth in online enrollment reach a saturation point? It may. However, with the physical limitations of brick-and-mortar classrooms and funding constraints, anticipated growth of the virtual classroom will be vibrant for years to come and extend beyond the boundaries of a geographical location.

Visit online.unm.edu. ■

risk pools. “But it didn't extend as far as earlier legislation did,” Sanchez-Youngman said.

“The change was related to Republican opposition to the bill. The public option was proposed by the Democrats, but the Republicans countered it through rhetorical comments like ‘death panels’ and ‘socialized welfare,’” she said.

She started looking at how political elites reframe and formulate debates to leave out certain aspects of health care legislation – as they did with the immigrant population.

Republicans played on anti-immigrant sentiment and opposition to large-scale government intervention and higher taxes. “Political elites shape through rhetorical devices both the debate and the content of legislation,” she said. ■

Notables

SHARP GARNERS HUMBOLDT FELLOWSHIP

Regents' Professor Zachary Sharp, Department of Earth and Planetary Sciences, received a Humboldt research fellowship in recognition of his accomplishments in research and teaching. As part of the award, Sharp will collaborate with research colleagues in Germany to promote scientific cooperation between research institutions in Germany and the United States.



Zachary Sharp

KNME RECOGNIZED FOR CHILDREN'S PROGRAM

The New Mexico Association for the Education of Young Children awarded KNME New Mexico PBS and Polly Anderson, KNME general manager and CEO, a certificate of recognition for successful initiatives to help all children become "Ready to Learn."



Polly Anderson

The Ready to Learn program reaches more than 22,000 parents, children and childcare providers annually in New Mexico. The community engagement program has helped to improve reading scores in 13 pueblos in New Mexico and offers teacher training and professional development opportunities in multiple subject areas. The program encourages parent engagement activities and supports 16 home-based childcare providers.

CONTINUING EDUCATION WINS WEBSITE AWARD

UNM Continuing Education was awarded top website of 2011 for excellence in website design from more than 100 entries from four countries by the Learning Resources Network, LERN, an international association in lifelong learning. Continuing Education was recognized for its use of less copy and more visual impact by infusing bold colors with simple design, and graphics enhanced by marketing tag lines.

The award recognizes Kim Halpern, marketing director, and Jeremy Jaramillo, Web designer. The marketing team that maintains the site includes Sarah Scott, Deborah Kastman and Paige Brown.

Julie Coates, vice president of Information Services for LERN, said that this year's award nominees were among the highest quality ever submitted.

UNM HOSPITAL RECEIVES AMERICAN HEART ASSOCIATION AWARD

UNM Hospital received the Get With the Guidelines – Heart Failure Gold Plus Quality Achievement Award from the American Heart Association for excellence in the treatment of patients with heart failure.

The award is given only to hospitals that achieve 85 percent or higher adherence to all Get With the Guidelines – Heart Failure Quality Achievement indicators for two or more consecutive 12-month intervals and achieve 75 percent or higher compliance with four of nine Get With the Guidelines – Heart Failure Quality Measures to improve quality of patient care and outcomes.

Get With the Guidelines provides hospital staff with tools that follow proven evidence-based guidelines and procedures in caring for heart failure patients to improve outcomes, prevent future hospitalizations and prolong life.

Students with disabilities can prosper with right teaching methods

By STEVE CARR

Years of research underpin methods to help children with disabilities thrive in education and their communities. A new graduate certificate from the Department of Educational Specialties, UNM College of Education, makes it easier for teachers to learn and implement those techniques.

The certificate in instruction for students with intensive social, language and behavioral needs is the first of its kind in the United States. It is designed for general and special education teachers, related service professionals, and family of children with these needs.

The program is open to students pursuing a graduate degree in special education or other related fields including speech/language pathology, psychology, family studies and early childhood, and those with a bachelor's degree interested in specialized training in working with students with social, language and behavioral needs, including students with autism spectrum disorders, or ASD.

The Centers for Disease Control and Prevention estimates one in 110 births represents a child affected by ASD. The prevalence is growing at a rate of 10-17 percent nationally per year according to the U.S. Department of Education. More than 11,000 children and adults are believed to have ASD in New Mexico.

"Those statistics concern us because children with ASD and

children with other significant disabilities require teachers who have specialized knowledge and skills, particularly in the areas of language, social and behavioral interventions," said UNM Distinguished Professor Ruth Luckasson. "Those areas are precisely where our certificate program focuses."

Luckasson, also regents' professor and chair, Department of Educational Specialties, has worked with people with disabilities for more than 30 years and has steadily implemented curriculum changes designed to provide teachers with more effective tools to support students with disabilities in their classrooms, neighborhoods and communities.

"This certificate meets a critical educational need within the state of New Mexico through an innovative course of study," Luckasson said. "The certificate is designed with the goal of enhancing the quality of instruction available to students with the most significant learning needs and creates better opportunities for them to become fully participating members in their communities."

That goal is in line with UNM's mission, to provide students with the values, habits of mind, knowledge and skills they need to be enlightened citizens to contribute to the state and national economies and to prepare students for participation in a complex and challenging society, thereby enhancing New Mexicans' quality of life. ■

Executive MBA program offers scholarships for staff, faculty

By STEVE CARR

The Anderson School of Management, executive vice president of administration and executive vice president of health sciences sponsor scholarship opportunities for UNM staff and faculty interested in attending the Anderson School of Management's Executive Master of Business Administration program.

The EMBA program is a 25-month, on campus weekend program for those with at least five years of significant work experience. The program begins once each year in late June. Classes meet every other weekend on Friday afternoon and Saturday morning. The next class begins June 22. Visit emba.mgt.unm.edu.

To be considered for a scholarship, applicants must first meet the admissions criteria for the EMBA program. UNM staff are eligible to apply for one of two full scholarships paying 100 percent of the EMBA program costs, less tuition remission. UNM

staff and faculty are eligible to apply for a partial scholarship paying all but \$2,200 per semester after tuition remission for the length of the EMBA program.

These scholarship programs demonstrate UNM's and the Anderson School of Management's commitment to provide career development opportunities for staff and faculty. The university needs faculty administrators and managers prepared to meet the challenges ahead. These scholarships are designed to support those interested in pursuing a management career at UNM.

For scholarship information, including the application process, visit hr.unm.edu/articles.php?article=executive-mba-program-scholarship.

The deadline for UNM staff or faculty to submit EMBA application materials, including the UNM scholarship application form and a GMAT or GRE score, is April 1. Late applications cannot be considered. ■

Human Resources

Special enrollment opens for life, long-term disability, AD&D, short-term disability insurance

By HELEN GONZALES, VICE PRESIDENT FOR HUMAN RESOURCES

The Division of Human Resources offers a special enrollment opportunity with our new carrier Standard Insurance for employees to enroll in or increase life, long-term disability, accidental death and dismemberment, and short-term disability coverage. The special enrollment period ends Wednesday, Feb. 29.

A number of decisions should be considered during this enrollment period. Here is some basic information, and more details can be found at hr.unm.edu.

Life insurance

It's not easy to think about, but what if you suddenly died? Could your family maintain their current lifestyle without your income? UNM contributes toward the premium for the basic amount of life insurance. You can also apply for employee-paid supplemental life insurance. A worksheet is available to determine the right amount. Life insurance is also available for spouses, domestic partners and dependents.

Accidental death and dismemberment

AD&D offers additional protection if the unforeseen were to happen. Features of voluntary AD&D include coverage for loss

of life and loss of sight, speech, hearing, specific limbs and appendixes. Other features include a seat belt benefit, higher education benefit, child care benefit and paralysis benefit.

Long-term disability

If you are not certain that you need LTD coverage, consider whether you will be able to meet financial obligations if you become disabled and unable to work for an extended period of time. LTD insurance is designed to pay a monthly benefit in the event you cannot work because of a covered illness or injury.

Short-term disability

If you depend on a regular paycheck to pay bills, what would happen if you became sick and couldn't work? Short-term disability coverage is income protection for up to six months for employees who are unable to work due to disability. Short-term disability covers up to 60 percent of weekly income, to a maximum of \$850 per week.

Standard Insurance representatives will provide onsite information sessions during the special enrollment period. For dates, locations and times, visit hr.unm.edu.

Dive in to UNM's Flickr pool
flickr.unm.edu

Events Calendar

Events subject to change, call to verify. For a comprehensive list of events updated daily, visit UNM's online calendar, news.unm.edu. Most events are free. For events requiring tickets, most may be purchased at UNM ticket offices, (505) 925-5858 or unmtickets.com.

■ Wednesday, Jan. 18 and Jan. 25

Spring Welcome Back Days greet new and returning students with a departmental information day on Jan. 18 and student organization day on Jan. 25. Free Pepsi products will be offered. SUB atrium, 11 a.m.-1 p.m.

■ Friday, Jan. 20-Sunday, Jan. 22

Popejoy presents Rodgers' and Hammerstein's "South Pacific." Set on a tropical island during World War II, the musical tells the story of two couples and how their happiness is threatened by the realities of war and their own prejudices. The score includes "Some Enchanted Evening," "I'm Gonna Wash That Man Right Outta My Hair" and "There's Nothin' Like a Dame." Tickets are available at UNM ticket offices. Popejoy Hall, Friday at 8 p.m., Saturday at 2 and 8 p.m., and Sunday at 2 and 7:30 p.m.

■ Thursday, Jan. 26

As our closest living relatives, chimpanzees provide vital information about changes during the course of human

evolution and the characteristics that make us uniquely human. Martin Muller will review recent findings from his long-term chimpanzee research in Kibale National Park, Uganda, including studies of aggression and sex differences in behavior, and discuss their significance for understanding human behavior. Hibben Center, room 105, 7 p.m.

■ Sunday, Jan. 29

By popular demand, the Peking Acrobats return to Popejoy Hall for the third consecutive year. These gymnasts, jugglers, cyclists and tumblers bring a mixture of entertainment and wonder. Tickets are available at UNM ticket offices. Popejoy Hall, 3 and 7:30 p.m.

■ Wednesday, Feb. 1

Choreographed by Marius Petipa to Tchaikovsky's music, "Sleeping Beauty" is often considered the foundation of classic ballet repertory, a demonstration of Petipa's style including steep point work. The Moscow Festival ballet performs this piece in its time-honored tradition. Tickets are available at UNM ticket offices. Popejoy Hall, 7:30 p.m.



Exhibitions

University Art Museum • 277-4001

The UNM Art Museum is closed through Thursday, Feb. 9. All spring 2012 exhibitions will be revealed at the re-opening on Friday, Feb. 10, 5-7 p.m.

Open Tuesday-Friday, 10 a.m.-4 p.m. and Saturday-Sunday, 1-4 p.m.

Maxwell Museum of Anthropology • 277-4405

"Chaco Uncovered: The Field Schools 1929 to the Present" is a visual history of the collaboration between UNM and the National Park Service at what is now Chaco Culture National Historical Park. Photos from the 1930s-40s, taken by field school students, document both the excavations and camp life. Hibben Center, through January.

"Ancestors" displays 4 million years of human origins, including distant ancestors like Lucy, Neanderthal and Homo Habilis, featured in a reconstructed cave setting, complete with Ice Age drawings and sculptures. Permanent exhibit.

"Look Close, See Far: A Cultural Portrait of the Maya" presents a story of the Maya through the eyes of fine art photographer Bruce T. Martin. Through February.

"The American Image: The Photographs of John Collier, Jr." An online exhibit exploring John Collier's work during the war years of the 1940s. americanimage.unm.edu.

"People of the Southwest." This permanent exhibit explores 11,000 years of the cultural heritage of the Southwest and highlights major excavations and the archaeologists who directed them. Permanent exhibit.

"Instruments from Around the World." An online exhibit at unm.edu/~maxwell/exhibits/instruments.

"Weaving Generations Together: Evolving Creativity in the Maya of Chiapas" explores how textile traditions have changed in Zinacantan, a Maya community in highland Chiapas, Mexico. Through May.

Open Tuesday-Saturday, 10 a.m.-4 p.m.

Geology Museum • 277-4204

Two exhibits focus on world-renowned geologic features in New Mexico – the Jemez caldera and the Harding pegmatite mine, and another includes a large dinosaur bone available for close inspection.

Northrop Hall, room 124. Open Monday-Friday, 8 a.m.-4:30 p.m. Closed noon-1 p.m.

Harwood Museum of Art, Taos • (575) 758-9826

"Black Mountain College and New Mexico." The exhibition centers on Black Mountain College students and their relationship with the culture of New Mexico, and subsequently the nation.

"Hispanic Traditions Gallery." Works in the Hispanic Traditions Gallery include santos, classic and contemporary retablos, and bultos of New Mexico – many donated by Mabel Dodge Luhan.

"Onward! Snapshots, Polaroids, and Study Prints from Black Mountain College." An exhibition of photographs documenting the lives of artists included in the exhibition "Black Mountain College and New Mexico." Through Feb. 5.

"Oli Sihvonen: The Final Years." An exhibition of work by Taos Modernist Oli Sihvonen during the last four years of his life. The featured work has never before been publicly displayed. Through Feb. 19.

Tamarind Institute • 277-3901

"Welcome Back: new prints at Tamarind." New editions by Amy Cutler, Valerie Hammond, Sandow Birk and Elyse Pignolet, Jaune Quick-to-See Smith, Jim Dine, and Hung Liu, back from their New York City debut. A public reception is scheduled for Friday, Jan. 27, 5:30-7 p.m. Through March 23. Open Monday-Friday, 9 a.m.-5 p.m.

The Arts Column



Del Sol String Quartet will perform at the 2012 John Donald Robb Composers' Symposium.

Robb Composers' Symposium celebrates N.M. centennial

The 2012 UNM John Donald Robb Composers' Symposium features the works of more than 40 composers, March 22-29, in venues across Albuquerque and Santa Fe. The theme of the 41st annual symposium celebrates New Mexico's centennial by featuring New Mexico composers, past and present. "This is certain to be the most ambitious in the symposium's history and its most collaborative," said Professor Christopher Shultis, symposium artistic director.

Composers include Michael Colgrass of Toronto, who won the 1978 Pulitzer Prize in music; UNM's Peter Gilbert, Karola Obermueller and Richard Hermann, theory and composition instructors, Department of Music; Bradley Ellingboe, UNM director of choral activities; UNM Emeritus Professor Scott Wilkinson; and Raven Chacon, a Navajo who composes chamber music and performs experimental noise music.

The award-winning Del Sol String Quartet, based in San Francisco, will be in residence throughout the symposium. Additional guest artists include pianist Emanuele Arciuli of Italy; percussionist Kay Stonefelt, State University of New York Fredonia; and Gamelan Encantada, an Albuquerque percussion ensemble.

As with the symposium, the 2012 Robb Concert on Sunday, Feb. 12, 3 p.m. at the National Hispanic Cultural Center, celebrates the New Mexico centennial. The concert series, presented by the John Donald Robb Musical Trust at UNM in collaboration with the National Hispanic Cultural Center, also celebrates the compositions and musical influence of Robb, former dean of the College of Fine Arts.

In the 2012 concert, Regina Carlow's UNM Chorus sings Robb's "Song for New Mexico." Frank McCulloch y sus Amigos present Hispanic folk songs. Lily del Castillo interacts as a choreographer and Lina Ramos sings music of Robb with Hispanic folk song influence. The finale is the New Mexico State Song, "O Fair New Mexico," presented as a sing-along.

Visit robbtrust.org.



Ancient Ceramics Club explores traditions

By LINDA THORNTON

In ancient times, artists and craftsmen generally provided their own tools and materials. They mixed pigment, made brushes and dug for clay.

Ceramics artist Elroy Natachu of Zuni said part of his mission as president of the Ancient Ceramics Club at UNM-Gallup is to help members reconnect with the traditions of the arts. Where better to start in this part of the world than with puebloan culture?

On a field trip to the Pueblo of Zuni, the group dug clay after offerings and prayers to Mother Earth conducted by and for Zunis.

"We are paying respect for taking her flesh," Natachu said. "We're hoping she will give clay in return. If we don't do this, she'll give you rocks

and not clay." The Zuni believe that the earth is a living, breathing thing, he said, adding, "That's why it's important not to waste it."

Clay used in puebloan pottery is found throughout the Southwest, with Zuni potters sometimes traveling as far as the Grand Canyon for the reds and yellow ochres found in hematites, or iron oxides.

"It's fun to go back and learn these technical processes, such as the early brushes and making the paint, and using gourds for scrapers, and to think that with these simple items people created beautiful pieces of artwork," Natachu said.

Natachu was taught these techniques by family. He lists painters, fetish carvers, potters and a seamstress among

his relatives. They inspired him to pursue a career as a high school art teacher. He has training in medical records and as an administrative assistant from UNM-Gallup, but

said his love of art inspired him to want to inspire others.

The group also invited artists from other pueblos to give demonstrations and discuss the techniques, culture and

philosophy of their traditions. In years to come, the club will decide about studying traditions farther afield – perhaps those of China, Europe, Mesopotamia or the Aztecs. ■



From left: Kevin Mahkee, Ancient Ceramics Club member, and Elroy Natachu, president.

UNM-Los Alamos fills need for skilled technicians

By BONNIE GORDON

The UNM-Los Alamos Applied Technologies Program combines high tech knowledge with hands on skills. The program was developed to meet the growing need for skilled technicians in New Mexico. It's the only program of its kind in northern New Mexico.

A seven-year, \$700,000 grant from the Los Alamos National

Security, LANS, has helped fund the development of the new program, first offered in fall 2010. The effort began with an assessment of the needs of northern New Mexico employers. Irina Alvestad, program coordinator, and UNM-Los Alamos staff worked closely with businesses and organizations that employ technical professionals. An advisory

board of technical professionals, still involved with the project, helped develop a curriculum and advised on technical matters such as equipment to purchase for classes.

The program took shape around three concentrations: electro-mechanical, manufacturing and nanotechnology. A fourth concentration in solar technology was added in 2011. The concentrations were developed for employability with salaries in the range of \$40,000-\$80,000 for technicians with a two-year degree. The program is attracting the attention of both traditional students and career changers.

"We have students just out of high school as well as older students who are changing careers. We also have people who have years of practical experience, but don't have a formal education," Alvestad said. The program also attracts students through a scholarship for Native Americans.

Several students had summer internships at Los Alamos National Laboratory in their concentration areas. The first

student graduated from the program last semester with an Associate of Applied Science in applied technologies. Several more are expected to complete the program in May.

UNM-Los Alamos received an \$874,000 grant from the National Science Foundation to improve and market the Applied Technologies Program. The promotion of project-based learning across the curriculum will be a major goal to increase students' motivation and learning.

"Students will focus on the engineering design process,"

Alvestad said. "Hands-on learning gives students a purpose for learning the skills and has been shown to improve retention of the material." The program will partner with local employers to offer service-based and paid internships.

The program will reach out to high school teachers through professional development workshops. High school students will be able to begin taking courses leading to technical fields through the dual credit program, which gives both high school and college credit. ■



A UNM-Los Alamos student works with equipment in the Applied Technologies Program.



Applied technologies students work together to understand electrical circuits.

Business students to experience computer forensics

By LESLIE VENZUELA

A collaboration between UNM's Anderson School of Management and the Federal Bureau of Investigation will give students an unparalleled opportunity to get education and internships in the field of information assurance. The New Mexico Regional Computer Forensics Laboratory is a one-stop, full service forensics laboratory and training center devoted to the examination of digital evidence in support of federal, state and local criminal and national security investigations.

"UNM is one of only two universities which have been selected to work with the

FBI," said Doug Brown, dean, Anderson School. "This development will provide training for students, faculty and law enforcement at all levels. This resource will help keep our community safe."

FBI Director Robert Mueller, III selected the Albuquerque division because the local law enforcement community demonstrated wide support for a Regional Computer Forensics Laboratory and had a large pool of qualified personnel to staff the facility. The NMRCFL will be staffed with personnel from the FBI's Albuquerque division, Albuquerque Police Department, Bernalillo County Sheriff's Office, New Mexico

State Police and UNM.

UNM's Center for Information Assurance Research and Education, or CIARE, housed at the Anderson School, offers a computer forensics course that features FBI guest speakers, but the possibilities for students will increase now that the lab is open, providing students with even greater access to internships and opportunities for research and program development. The facility will be available to all levels of Anderson students, from those with little experience to the most advanced forensics classes.

Visit nmrcfl.org and ia.unm.edu. ■



UNM Today is published for University of New Mexico employees by the University Communication & Marketing Department monthly, except July.

For daily news, visit news.unm.edu

Interim Director: Cinnamon Blair

Editor: Sari Krosinsky

Contributing writers: Steve Carr, Carolyn Gonzales, Benson Hendrix,

Mara Kerkez, Karen Wentworth

Designer: Jana Fothergill

UNM Today welcomes story and photo ideas, letters to the editor and corrections.

Permission to reproduce UNM Today stories is hereby granted except for those items derived from publications not directly associated with UNM.

For information, contact the University Communication & Marketing Department, Welcome Center, 277-1989.