

Setting an example for faculty excellence

President Crow recognizes four newly-tenured exemplars

By Sarah Auffret

Some people manage to do it all. Many on the ASU faculty amaze us with their keen intellect, yet they also are talented teachers and producers of high quality research and outstanding service who lift the standards for the entire faculty.

President Michael Crow has recognized four "rising stars" whose prodigious talents and hard work are helping ASU become the New American University. They are exemplars, among this year's newly-tenured faculty, of the finest teacher-scholars at ASU.

"ASU has some of the most talented, productive faculty in the country, many of whom have been at the university for many years," says Crow. "These four individuals have made amazing con-

tributions in a short span of time, in persuasive and original scholarship and inspired teaching.

"There are many other accomplished, high performing faculty among the newly-tenured professors. These four exemplify the high standards that will raise ASU to the next level of excellence."

Ileana Orlich, associate professor of Romanian, has single-handedly created the Romanian program at ASU. With its language and culture courses at all levels, a summer program in Romania and five other countries, and participation of students from all over the United States, the program has made ASU a highly visible presence in central Eastern Europe.

Orlich has published four books and 16 scholarly essays, translated four volumes of poetry, and

has made 35 presentations on Romanian and western literature in recent years. She is president of the Romanian Studies Association of America and a member of the American Romanian Academy. She also has won the Associated Students of ASU Centennial Professor Award for her teaching.

"Orlich's research and teaching not only contribute impressively to ASU's linkages to the global community, but also establish a new knowledge base for our students," says Nancy Gutierrez, vice provost and former associate dean in the College of Liberal Arts & Sciences. "She is more than a teacher and scholar — she is an ambassador creating a vital bridge between Romanian and American culture."

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Ileana Orlich, associate professor of Romanian, is one of four newly-tenured faculty ASU President Michael Crow has recognized as "rising stars."

Beyond Borders

College's core disciplines expand ASU's global reach

By James Hathaway

It's a truism that business is global in the modern world, but international connections are also a critical part of university life, even in disciplines that seem far removed from the world of commerce. In ASU's College of Liberal Arts & Sciences (CLAS), virtually every department has global connections involved in its teaching, research and even outreach activities.

International teaching programs are familiar to many people, but the scope of offerings is really surprising. Through the ASU Summer Program, CLAS faculty members have taught summer classes on-site on every continent except Antarctica.

Faculty in the Languages & Literatures Department, for example, taught this summer in programs in France, Germany, Italy, Quebec, Romania and Spain, and in past years have also taught in Mexico, Brazil, Peru and China.

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College of Liberal Arts & Sciences photo
ASU students in a small village in Ecuador prepare manioc, a starchy tuber and dietary staple in the region. The students were in the village as part of a summer program co-sponsored by the Center for Latin American Studies.

Wasserstein to give Marshall Lecture

By Matthew Shindell

Renowned playwright and author Wendy Wasserstein is coming out from behind the curtain to tell her story. Wasserstein has been chosen to deliver the College of Liberal Arts & Sciences Jonathan and Maxine Marshall Distinguished Lecture.

Wasserstein's lecture, "A Life in the Theater," will be at 7:30 p.m., Sept. 15, in the Carson Ballroom in Old Main, and is free to the public.

Wasserstein is, by the estimation of many, "the voice of a generation." Her works have told the story of the social changes that have given us the world of today, examining contemporary life with a critical but humorous eye. Often she recounts the lives of women caught up in the first waves of the women's liberation movement. Throughout her career, Wasserstein's work has been heavily influenced by the events and issues of her own life.



Wendy Wasserstein

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Researchers enter comparative genomics age with large-scale study

By Skip Derra

An ASU researcher is part of a group of scientists reporting the first large-scale comparison of the human genome to 12 other vertebrates. The work is an important step in understanding how vertebrate species are genetically similar or different from one another, and provides a glimpse into the evolutionary past of humans.

For example, the work shows that humans are more closely related to rodents than to dogs or cats.

The team, which includes Jeff Touchman — an assistant professor of biology and director of the sequencing facility at the Translational Genomics Research Institute in Phoenix — published its findings in the Aug. 14 issue of *Nature*.

The report, "Comparative analyses of multi-species sequences from targeted genomic regions," details the comparison of one targeted region of the human genome (a segment of the human chromosome 7, which includes the gene mutated in cystic fibrosis) to the same region of other vertebrates ranging from chimpanzees to zebrafish. Touchman directed the sequencing effort of this work while

he was at the National Institutes of Health in Bethesda, Md.

"This is a significant genomic achievement," Touchman said. "We can learn a lot about the human genome by comparing it to the genomes of other species."

The team, which included 71 researchers from 10 institutions, made the comparisons

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ASU groups celebrate Hispanic Heritage Month.

Garcia, Academic Assembly prepare for busy year ahead

By Manny Romero

As students settle in for another exciting school year, ASU's Academic Senate is moving forward with its efforts to identify and address matters involving faculty and academic affairs.

Antonio Garcia, who was elected last year to lead the group's efforts, says this year's agenda is filled with new projects and challenges.

"The plus/minus grading system was intensely discussed last year in the Academic Senate meetings, especially during the spring semester," says Garcia, associate professor of bioengineering. "As a natural extension, I believe that we will continue the discussion early in the fall semester as the details surrounding the implementation of the new grading system are worked out.

"I also plan to bring to the table a variety of items that can engage faculty and bring vibrant discussion on the direction ASU is moving toward," Garcia adds. "We will be discussing a variety of items such as the University Design Team report, the Tenure and Promotion Task Force II report, and

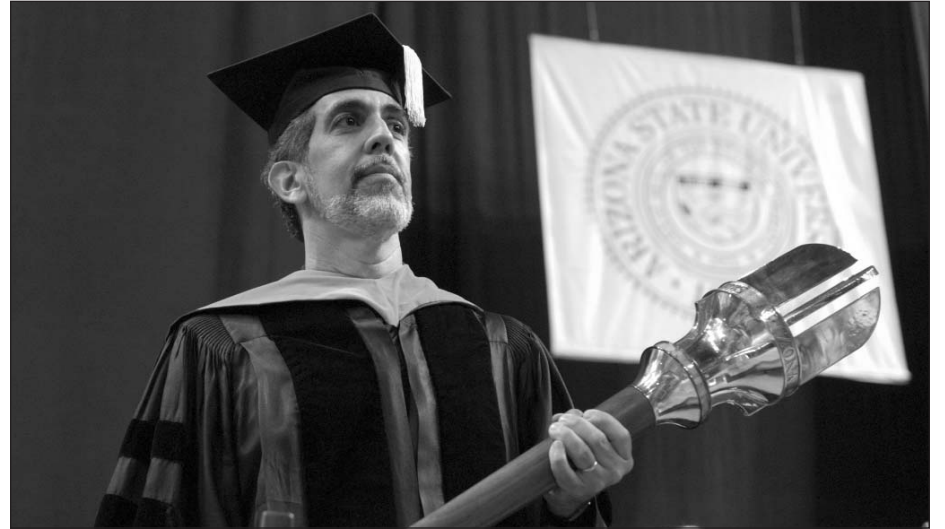
ASU employee compensation and benefits. There will not be a shortage of important items for faculty input and engagement."

ASU's Academic Senate is the representative body of the Academic Assembly, which consists of all tenure track faculty, academic professionals and full-time lecturers and senior lecturers with three-year appointments in the university. Garcia, who will serve as president this year, says the group plans to discuss and make recommendations on how to provide better service to students.

"I feel the most important topic that will permeate our discussions will be access and quality," he says. "While major investments have been pledged to help make ASU a dynamic force for learning and discovery, we need many more resources to expand access for students while enhancing the quality of all aspects of ASU's mission. We cannot let programs erode by allowing high quality faculty, staff and administrators to leave because they do not have the resources to be the best at what they set out to be."

Many concerned ASU faculty and administrators have worked hard to ensure that the university's population reflects the state's demographics. ASU's enrolled student demographics currently do not reflect the state's demographics, Garcia says, but the university has been moving the student graduation demographics toward the state's percentiles.

Garcia says in the past 11 years, there has been a 146 percent increase in the number of degrees granted to Latino students at ASU while the increase in all degrees has been 43 percent. Similarly, increases above the overall degrees-granted rate for African-Americans (92 percent), American Indians (156 percent) and Asian Americans (106



Tim Trumble Photo

Professor Antonio Garcia now leads the Academic Senate and says this year's agenda is full of important topics that will require faculty input.

percent) have been realized. Garcia believes degrees granted is the best bottom line to track improvements in serving students.

"Our percentage increases reflect an acceleration in the overall effort to serve them," Garcia says. "However, given the demographics in our state, we should have a more representative student body. I feel that the academic community and administrators are responding to the challenge of meeting this need. Also, by necessity we must be even more responsive to this issue since the demographics in our K-12 school system are changing rapidly."

Since arriving at ASU from Eastman Kodak's Life Science Research Laboratories in 1989, Garcia has seen ASU go through many significant changes such as becoming a Research I University; transitioning from an inverted undergraduate stu-

dent pyramid to a strong first-year student base approaching 7,000 enrolled freshmen; the emergence of the East and West campuses; and the recent recognition of ASU as an important investment by state and business leaders.

"Among these changes, one thing that has not changed is the collegial atmosphere we enjoy," Garcia says. "My experience at ASU, as compared to other universities, is that the academic community works well on scholarly activities and student outreach in a collaborative way across the university."

For information about the Academic Assembly, visit (<http://www.asu.edu/provost/asenate/>).

Romero, with Media Relations & Public Information, can be reached at (480) 727-3116 or (mlromero@asu.edu).

Crow highlights ASU accomplishments

ASU President Michael Crow officially kicked off the '03-'04 fall semester with a look back at last year's accomplishments and a look forward at the challenges and opportunities ahead. Crow was the keynote speaker at the Academic Assembly Fall Welcome Breakfast Sept. 4 at the Memorial Union. A transcript of the speech is available online at: (<http://www.asu.edu/asunews/assembly/>).

Native American students to see aid, programs with new grant

By Sarah Auffret

The Ft. McDowell Yavapai Nation is donating \$1 million to Arizona's three state universities, one-third each to ASU, the University of Arizona and Northern Arizona University, to further Native American education.

The grant will fund innovative programs that support Native American student success, degree completion, special certification courses and strategic and non-traditional financial aid programs.

Programs also can involve non-Indian students in community service that benefits Native American communities and populations. Special consideration will be given to proposals that emphasize student engagement in research.

ASU has received the first installment of the grant, called the Wassaja scholarship program. The Office of the President requests program proposals for the first round of funding by Oct. 15. Individual staff or faculty, groups of faculty and/or staff, or student groups recognized by the university in coordination with their adviser, may submit proposals. More than one proposal may be submitted, and the amount of each may not exceed \$20,000.

Ten percent of the gift also has been set aside to provide emergency financial aid to American Indian students at ASU.

To be considered for a Wassaja program grant, proposals must clearly state how the program will address any of the following needs for American Indians: support ASU recruitment, retention or persistence efforts directed at students; help establish or enhance facilities to serve students; establish emergency student loan or assistance programs without supplanting existing assistance programs; or assist non-Indians who, as part of their aid program, will commit to community service that benefits American Indians.

American Indian students receiving any scholarship assistance also will commit to community service in Indian communities. Twenty percent of the total gift may assist non-Indians.

Among the requirements and guidelines:

Proposals must define and specify the types of financial assistance requested to impact student success.

Proposals must include a brief plan for financial accountability and the signature of a budget officer who will assume fiscal responsibility. Programs must directly benefit American Indian students, and Wassaja funds may not be used for administrative costs.

The grant period will be for the academic years starting fall 2003 and ending summer 2005. Proposals must include a mechanism for certifying community service hours of students. Grant recipients will submit a progress report every six months.

For information on proposal guidelines, call Mariko Silver at (480) 965-7099 or visit (<http://www.asu.edu/president/wassaja>). For information on the emergency financial aid set-aside, contact Diane Dixon in the American Indian Institute, (480) 965-8176.

Auffret, with Media Relations & Public Information, can be reached at 480-965-6991 or (sauffret@asu.edu).

Two programs merge to form new department in East College

By Jeff Holeman

The Department of Applied Biological Sciences has joined East College's academic lineup, offering a bachelor's degree in applied biological sciences and a master's degree in environmental resources.

The new department was created through the merger of the Environmental Resources program formerly in the Morrison School of Agribusiness and Resource Management and the Urban Horticulture program formerly located in ASU Main's College of Liberal Arts & Sciences.

Ward Brady, department chair, says the new major offers students a clear choice among biology programs.

"A lot of students interested in biology actually want to work with real plants and real animals, not at the cellular level," he says in explaining the difference in the program from the biology program offered at

the Main Campus.

Applied biology is for professionally oriented biologists. The program prepares students for careers in such areas as wildlife management, horticulture or teaching secondary biology.

The program is also a good fit for pre-professional program students who need hands-on study in the sciences, such as pre-med students, Brady says.

There are 11 faculty members in the program. Their research will focus primarily on field projects, such as the analysis of soils or plant and wildlife ecology. Other areas of research will include plant physiology, focusing on areas like resistance to drought.

For information, call the department at (480) 727-1515.

Holeman, with ASU East, can be reached at (480) 727-1173 or (jholeman@asu.edu).

ASU Insight

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Assistant Vice President: **Nancy Neff**

Assistant Director: **Sarah Auffret**

Editor/Publisher: **Chris Lambrakis**

Associate Editor: **Gary Campbell**

Editorial Assistant: **Lisa Campbell**

Photographers: **Tim Trumble**

Editorial Board Chairwoman: **Wilma Mathews**

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Goodbye, anonymity. . . hello, togetherness

By Sarah Auffret

Many freshmen in ASU's residence halls have a new appreciation for "togetherness" this fall. They are not only living together, they take classes together, many of them taught right in the halls. Their professors sometimes visit, and their advisers are next door.

Wait a minute . . . where's the anonymity they've been hoping for since high school?

It's been replaced by a community structure that colleges throughout the country have found not only helps students make the transition to college life better, it helps them learn better.

Freshmen who chose the living-learning concept are grouped in the residence halls with other freshmen who have the same major. And because they are part of ASU's Freshman Year Experience program, many of their classes are taught in the residence hall classrooms, and their advisers keep office hours in the halls, too.

They are encouraged to study together and to develop friendships, discussing outside of class what they learn in the classroom. Studies have found that students do better when they have peer support, and they connect their learning to the real world.

ASU began offering one or two communities about 10 years ago. The program has expanded since then, until this fall for the first time, every college at ASU will offer incoming freshmen a learning community in one of the residence halls.

The College of Liberal Arts & Sciences (CLAS) is plunging dramatically into the living-learning concept in a new way this fall by not only grouping students on one floor, but also providing them clusters of courses organized around a common theme. Freshmen live together in Palo Verde West and take courses designed around one of these topics: "War, Culture and Memory," "Multicultural America: History, Gender, Ethnicity" or "Human Disease and Society."



Tim Trumble Photo

Freshmen in Biology 188 lab, led by Teaching Assistant Marea Baggetta, learn scientific methods during their first class together as part of the CLAS living-learning community concept. They also live together in a residence hall.

The first is a four-course cluster examining the important consequences of World War II (fall semester) and the Vietnam War (spring semester) on shaping the United States and the world. The courses are taught by professors from history, English, religious studies and political science. The second investigates America's multicultural past, and the third looks at the diseases that have ravaged mankind and their implications for society.

"We believe this is the best way to pursue in-depth learning and allow students to master a coherent body of material," says Dan Bivona, CLAS associate dean for academic programs who helped design the program. "All the writing assignments will be built around topics related to the main theme. Every cluster offers students multiple opportunities to engage in small-group discussions with faculty and to interact with one another."

Students also get together outside the classroom. Faculty from "War, Culture and Memory" have lunch with the students in the cluster every Monday, for instance. "Human Disease and Society" students may get to attend "grand rounds" at the Mayo Clinic in Scottsdale at least once during the semester.

The College of Nursing has initiated a freshman living-learning community this

fall to encourage pre-nursing students to help and support each other, raising the likelihood of success in the rigorous curriculum. Getting into the nursing professional program in the junior year is very competitive, strong GPAs are a must, and freshmen may not realize the importance of hitting the books from the start.

"This will help provide students the resources they need to succeed, and will broaden their perspective of nursing," says Mary Killeen, associate dean of nursing. "Students often come with a very narrow view of the profession. We've planned a program of events, including meeting the dean, the faculty and nurses in the field who can share their career journeys. In addition, we'll link them to tutoring and advising, and provide a road map to guide their sophomore year."

Freshmen from the W. P. Carey School of Business take up five floors of Manzanita Hall, while engineering freshmen live on four floors. Education and nursing majors each occupy one floor. McClintock Hall groups freshmen majoring in architecture, public programs and fine arts. The Barrett Honors College in Center Complex is a learning community of its own.

Auffret, with Media Relations & Public Information, can be reached at (480) 965-6991 or (sauffret@asu.edu).

In the News

ASU experts are frequently called upon by the local and national news media to provide insight and opinion on current events and issues of public interest. Following are excerpts of recent news articles featuring ASU representatives.

Westerners predominate in agency appointees at the White House, emphasizing issues like grazing, mining, water rights, oil and gas and forest management. New economic forces such as recreation and tourism power the West's economy, however, and logging and mining are more 19th century. The administration is "the Old West in new packaging," said Peter Iverson, history professor. *Los Angeles Times*, Aug. 19.

New data dispute the theory that Mars once had a warm, wet Earth-like climate favorable for life. Researchers running NASA's Mars Global Surveyor say it hasn't detected large mineral deposits left by water. "It's extremely unlikely Mars had large bodies of warm, standing water that were exposed to the atmosphere for a long period of time," said Phil Christensen, geologist. *New York Times*, Aug. 22.

Students who have to repeat earlier grades are many times more likely to quit school later, even when they have caught up with their peers academically, said Mary Lee Smith, professor of educational leadership and policy studies. "When you retain a kid, it's like closing the barn door after the horse is gone," she said. "It's not solving the problem." *Washington Post*, Aug. 24.

The U.S. Supreme Court has gradually eroded the ability of Indians to live free from state taxes on their own territory, and even to levy their own tribal taxes, said Robert Clinton, law professor. Because of this, tribes should negotiate tax disputes with states rather than taking them to court. "This is not the climate to be litigating," he said. *Providence (RI) Journal*, Aug. 24.

Online auction benefits campaign

During last year's United Way campaign, ASU East employees came up with an innovative way to raise money during the campaign — an online auction. Employees could offer services like babysitting and gift wrapping or products like freshly baked goods in exchange for United Way donations.

The IW4UW (I Will for United Way) auction was so successful, it has been expanded for this year's campaign so employees from all three ASU campuses can join in the fun.

Nan Beams, manager of marketing and publicity for Public Affairs at ASU East, is organizing the fund-raiser, and says the auction is meant to exemplify the United Way spirit of service.

"The premise is simple: some people come up with wonderful, creative ideas; others value them and bid," Beams says. "Everyone can participate and every penny goes to United Way agencies."

The online IW4UW auction goes live Monday, Sept. 8, and will close at midnight, Oct. 15. Go to (www.east.asu.edu/unitedway), and click the IW4UW auction link.

ASU researchers measure electrical resistance of single molecules; may be future of electronic devices

By Skip Derra

Researchers at ASU have developed a relatively straightforward method for measuring the electrical resistance of single molecules. The advance, a technical achievement in terms of its precision and repeatability, promises to have a huge impact on the burgeoning field of molecular electronics.

The researchers, Nongjian Tao, an electrical engineering professor, and his student Bingqian Xu, said their method overcomes three thorny issues in the electrical resistance measurements of a single molecule.

"What we have is a technique that guarantees one molecule is attached between two electrodes every time; we can identify how many molecules are present; and we can do thousands of measurements in a matter of minutes," Tao said.

Tao and Xu published their research in the Aug. 29 issue of *Science* magazine. The paper is titled "Measurement of single molecule resistance by repeated formation of molecular junctions."

Demands for faster electronic devices are pushing scientists to consider new types of electronic circuits as engineers reach the physical limits of circuits built of silicon. One promising alternative is molecular electronics, where individual molecules would be the basis for circuits.

Advances in molecular electronics have been steadily made in recent years, Tao said, but basic questions remain, one of which is what is the resistance of a single molecule?

Making measurements on a molecular level presents several problems related to the size of the materials being tested.

"There are techniques that can handle some of these problems, but not all of them," Tao said. "They allow you to determine the resistance of a single molecule, but some won't tell you how many molecules are there (which could range from a few to thousands), some don't always have a proper contact to the molecule to make the measurement and still others don't have the statistics there. Ours does."

Tao and Xu make the measurement of single molecule resistance by repeatedly forming thousands of molecular junctions in which the molecules are directly connected to two electrodes. They performed these tests on various molecules with two ends that can strongly attach to gold electrodes.

The ASU researchers create the molecular junctions by repeatedly moving a gold scanning tunneling microscope tip into and out of contact with a gold substrate in a solution containing the sample molecule to form a molecular junction.

During the initial stage of pulling the tip electrode out of contact with the substrate electrode, the conductance decreases in a stepwise fashion with each step occurring at an integer multiple of conductance quantum (1 over 12,900 ohms). The conductance quantum steps signal that two electrodes are connected by merely a few gold atoms and molecules. Further pulling breaks the last few gold atoms and leaves the two electrodes connected by a few molecules.

This later stage is associated with the appearance of a new series of conductance steps that are many orders of magnitude lower than the conductance quantum and vary from molecule to molecule.

"Because of its simplicity, it can be done repeatedly and provide a quality of data that has been missing in many other experiments," Tao explained.

"Now you can start to test and understand a molecule before you build a device out of it," Tao said. "This technique provides a basic test platform that is necessary toward the effort of building molecular electronic devices."

Tao and Xu's paper can be accessed on the Web at: (www.sciencemag.org/cgi/content/full/301/5637/1221).

Derra, with Media Relations & Public Information, can be reached at (480) 965-4823 or (skip.derra@asu.edu).



Events are free, unless otherwise noted. Items in the "Exhibitions" section run at exhibit opening and on the first of each month only. Building abbreviations are listed according to the official ASU phone directory. Send information to Judith Smith at (jps@asu.edu) or fax (480) 965-3465. For information about ASU events, visit the Web at (<http://events.asu.edu>).



Meetings

Monday, Sept. 8

Academic Senate Executive Committee, 3 – 5 p.m., Dixie Gammage Hall (GHALL) Room 116-D. Information: (480) 965-2222.

Tuesday, Sept. 9

Warehouse Users Group (WUG), 2 – 3:30 p.m., Memorial Union (MU), Arizona Room 207A. Topics include the new database, FACILITY_REPORTING. Information: (ware-q@asu.edu).

Wednesday, Sept. 10

Academic Senate Curriculum & Academic Programs Committee, 3:30 – 5 p.m., MU, Havasupai Room 208D. Information: (480) 965-0739.

Thursday, Sept. 11

College of Liberal Arts & Sciences Curriculum Committee, 1:30 p.m., Social Sciences (SS) room 318.

Friday, Sept. 12

University Human Subjects Institutional Review Board, noon, Memorial Union (MU) Yavapai Room 209. Information: Karol Householder (480) 965-6788.



Lectures

Friday Sept. 5

ASU Regents Professor Kurt Weiser, 7:30 p.m., Architecture and Environmental Design Building (AED) North Room 60. Weiser will discuss his distinctive style and the influences that have shaped his 30-year career. Information: Tiffany Fairall, (480) 965-0014.

School of Life Sciences (SoLS) Faculty Parade, 4 p.m., Life Sciences Center (LS) E-104. SoLS faculty and academic professionals speak on their specialities. Sponsored by School of Life Sciences. Refreshments before seminar. Also Sept. 12, 19. Information: (480) 965-2705.

Monday, Sept. 8

"Better Ways, Better Days: Building Prosperity for the Future," noon, ASU Downtown Center, 502 E. Monroe St., Phoenix. Speaker: Vivian Phillips. R.S.V.P.: (480) 965-3046.

General Meeting, Department of Molecular and Cellular Biology, 4:40 p.m., Life Sciences Center (LS) E-104. Information: (480) 965-2705.

Tuesday, Sept. 9

"Civic Epistemology: Putting the 'Public' back in the Public Understanding of Science," 12:15 p.m., Armstrong College of Law (LAW) room 114. Speaker: Sheila Jasanoff, Pfozheimer Professor of Science and Technology Studies, John F. Kennedy School of Government, Harvard University. Sponsored by the Law and Science Student Association and IGERT - Urban Ecology. Information: (480) 965-2465.

Wednesday, Sept. 10

"Exoticism, Eroticism and the Echo of Mexican Music in the United States," noon, ASU Downtown, 502 E. Monroe St., Phoenix. Speaker: Peter Garcia, ASU ethnomusicologist and folklorist. R.S.V.P.: (480) 965-3046.

"Compact or Stretched Coils: Model of a Phase Transition in Hybrid Copolymers," 4 p.m., Goldwater Building (GWC) 487. Speaker: Dr. John Blackman, Physics Department, University of Reading, UK. Brief question and answer period to follow. Light refreshments prior to lecture. Part of the weekly

Folk art exhibit displays Mexican tradition

By Denise Tanguay

For more than 25 years, Valley residents Kathleen and Richard Vanesian have collected the folk art of Mexico. Traveling extensively and frequently, they have met artists, watched them work and learned the context from which the work is created.

Almost 200 pieces of their Mexican folk art collection will be on exhibit at the ASU Art Museum this fall. "Mexican Folk Art in Context: Selections from the Vanesian Collection" opens Sept. 13, and will continue through Jan. 3. A free public reception from 7 to 9 p.m., Sept. 13, will launch the exhibition. A gallery talk by Kathleen Vanesian is scheduled for noon, Sept. 19.

The exhibition will feature traditional folk art side-by-side with more recent work, following the shifting patterns of social and political change in a country that has seen revolution, ecological shifts and political chicanery. The folk artist often comments on the nature of the present as well as the past, and the Vanesian collection reflects both enduring concerns and topical ones — occasionally in the same piece.

Director of the ASU Art Museum and curator of the exhibition, Marilyn Zeitlin, says the work in the exhibition is clustered in sometimes overlapping categories and is complemented by Kathleen Vanesian's texts and photographs from the couple's visits to Mexico.

Much of the work reflects religious themes drawn from Catholicism and the indigenous belief system that dates from pre-Columbian times. These include the ex-votos and retablos that grace domestic al-



Tim Trumble photo

The art piece titled 'The Last Supper' is just one of many that will be on display at the ASU Art Museum through Jan. 3 in the exhibition, "Mexican Folk Art in Context." Museum hours are 10 a.m. – 9 p.m., Tuesday; 10 a.m. – 5 p.m., Wednesday – Saturday. For information, call (480) 965-2787.

tars and express wishes for recovery — of a person, cow or truck.

Patriotism and revolution is another strong theme in the exhibition, with works that include expressions of pride in the heroes of

Mexican history from its pre-Conquest indigenous leaders to Emiliano Zapata. The Virgin of Guadalupe, who is an embodiment of an indigenous deity, appears in this section, often matched by the eagle of the insignia of the Republic.

The exhibition also includes an array of pulqueras or pitchers used for serving pulque, a quintessentially Mexican drink made from the maguey plant, with its beginnings in pre-conquest ritual. These

vessels often include patriotic or sentimental messages of love on them.

The transformation of images into clichés and the process of syncretism as Mexico became a tourist destination is evident in another section of the exhibition. Blankets with images of pre-Columbian masks, Aztecoid drinking cups and new shapes in functional ceramic pieces to accommodate foods that are not part of the Mexican tradition began to appear as folk art was developed for the new market.

For information about the ASU Art Museum, call (480) 965-2787 or visit (<http://asuartmuseum.asu.edu>).

Tanguay, with the Herberger College of Fine Arts, can be reached at (480) 965-7144 or (denise.tanguay@asu.edu).

In Focus

Soft Matter Seminar Series sponsored by the Physics & Astronomy Department. Information: (480) 965-4073.

Thursday, Sept. 11

"How Can We Create Justice for All Kids?" 4 – 6 p.m., University Club South Room. Speaker: Carol Kamin, Executive Director, Children's Action Alliance. Sponsored by The School of Justice Studies as part of its Seeking Justice in Arizona lecture series. Information: (480) 965-7682.

"Dressing for the Noh Theater," 7 p.m., Phoenix Art Museum, 1625 N. Central Ave., Phoenix. Co-sponsored by Center for Asian Studies. Information: (480) 965-7184.

Friday, Sept. 12

"Global Terrorism, Gandhism and the Culture of Peace," 10:30 a.m., Memorial Union (MU) Fiesta Room 080. Speaker: Guntant Shah, Director, International Youth Council, Baroda, India. The William R. Freeman Memorial Lecture, co-sponsored by the William R. Freeman Memorial Fund of the Hugh Downs School of Human Communication, ASU Center for Asian Studies and National International Students Association (NISA). Information: (480) 965-5489.



Miscellaneous

Friday, Sept. 5

Tempe Chamber of Commerce Kickoff Lunch, noon – 1 p.m. at ASU's Karsten Golf Course, 1125 E. 1st St., Tempe. Tickets: \$16. Reservations and information: (480) 965-5038.

Mars Watch, 9 – 11 p.m., Bateman Physical Sciences Center (PS) H wing roof (5th floor). Sponsored by ASU Physics & Astronomy. Information: (<http://eagle.la.asu.edu/openhouse>).

Latin Dancing and ASU Showteam Performance, 8 p.m., – 1 a.m., Peruanitos Peruvian Restaurant, 2051 W. Warner Road, Chandler. A fund-raising event to send ASU's Latin Dancing Showteam Club and Comp/Ex Team to the Ohio Star Ball. \$5 cover, \$5 fee for salsa competition. Information: (480) 821-9498.

Tuesday, Sept. 9

ASU East Faculty/Staff Breakfast, 7:30 – 9 a.m., Williams Campus Union Ballroom. R.S.V.P.: (480) 727-1169.

Wednesday, Sept. 10

"Internship/Co-op Employment," 1 p.m., Memorial Union (MU) Yavapai Room 209. Sponsored by ASU Career Services. Information: (480) 965-2350.

Thursday, Sept. 11

ASU Downtown Blood Drive, 10 a.m. – 2:30 p.m., 502 E. Monroe St., Phoenix. R.S.V.P.: (480) 965-3046.

"Effective Resumes/Cover Letters," noon, MU Mohave Room 222. Sponsored by ASU Career Services. Information: (480) 965-2350.

Friday, Sept. 12

"How to Succeed at Career Fiesta," 10 a.m., MU Turquoise Room 208F. Sponsored by ASU Career Services. Information: (480) 965-2350.



Entertainment

*Indicates tickets are available at College of Fine Arts Box Office, Nelson Fine Arts Center, (480) 965-6447.

**Indicates tickets are available at Gammage Auditorium, Mill Avenue and Apache Boulevard, (480) 965-3434; Kerr



Cultural Center, 6110 N. Scottsdale Road, Scottsdale, (480) 596-2660; the Sundome Center for the Performing Arts, 19403 R.H. Johnson Blvd., Sun City West, (623) 975-1900; and Ticketmaster, (480) 784-4444 or Ticketmaster locations – Tower Records, Robinsons-May and Warehouse Music.

***Indicates tickets are available at the ASU West box office, 4701 W. Thunderbird Road, Phoenix, (602) 543-2787.

Sunday, Sept. 7

ASU Clarinetist Robert Spring, 2:30 p.m., Katzin Concert Hall.*

Christine Rutledge Russell, violist, pianist Ksenia Nosikova, 7:30 p.m., Katzin Concert Hall.

Tuesday, Sept. 9

“Mamma Mia!” 8 p.m., Gammage Auditorium. ABBA’s greatest hits. Continues at 8 p.m., Sept. 10 – 12, 16 – 19 and 23 – 26; 2 and 8 p.m., Sept. 13, 20 and 27; 2 and 7 p.m., Sept. 14, 21 and 28. Dining at Broadway Bistro, on the Gammage Promenade, available an hour and a half before curtain time and during intermission (no reservations needed).**

Wednesday, Sept. 10

“Three Seasons,” 7 p.m., Nursing Building (NUR) room 101. Vietnamese with English subtitles. Presented by the Program for Southeast Asian Studies and Students’ Association for Southeast Asia. Information: (480) 965-0118.

“Under the Lintel,” 7:30 p.m., Second Stage West, ASU West. A new play by Glen Berger. Continues at 7:30 p.m. Sept. 11-13; 3 p.m. Sept. 14.***

Friday, Sept. 12

Battle of the Bands, 6 p.m. – midnight, La Sala Ballroom, ASU West. Sponsored by ASU West International Student Association in association with Boogie Music, Arizona Sportswear, Mary Kay by Maria Valencia, Wide Range Productions, Coca-Cola and Hellion Industries.***

Pianist Eckart Sellheim, 7:30 p.m., Katzin Concert Hall.



Exhibitions

Arts, Media and Engineering Program/Institute for Studies in the Arts (AME/ISA) Computing Commons Gallery (10 a.m. – 4 p.m., Monday – Friday, Computing Commons, room 140. Information: (480) 965-0964. (<http://isa.asu.edu>)

Through Oct. 31, “CodeProfiles.” W. Bradford Paley, an artist and interaction designer, focuses on the visual interpretation of patterns hidden in information. “CodeProfiles” exposes human and machine traces through the code that creates artworks. Artist’s lecture: Sept. 18, 4 – 5 p.m., Computing Commons Auditorium; reception immediately following.

Archives, 1907 Gallery (10 a.m. – 5 p.m., Monday – Friday, Tyler Mall and Palm Walk. Information: (480) 965-3145.)

“Vanished ASU,” a permanent exhibit, takes a celebratory look at some of the buildings and traditions, through historical photographs and yearbooks, that have added strength and sinew to the ASU story. Although the buildings and traditions shown are either “vanished” or altered from their original purpose, they continue in the memories of the ASU community.

ASU Art Museum, Nelson Fine Arts Center (10 a.m. – 9 p.m., Tuesday; 10 a.m. – 5 p.m., Wednesday – Saturday. Information: (480) 965-2787.)

Through Dec. 6, “The Painters’ Craft: Renaissance and Baroque Paintings in the Permanent Collection.” This exhibition of 12 paintings was designed as part of a university course, with work drawn from the ASU Art Museum collection of 22 Renaissance and Baroque paintings.

Through Sept. 13, “Andy Warhol and the Pop Aesthetic: Permanent Collection and Loans.” Five early drawings and a classic screen print of Mao Tse-tung by Andy Warhol anchor this exhibition of artists who were associated with the American pop art movement of the early 1960s. Closing reception: 7 – 9 p.m., Sept. 13.

Through Sept. 13, “Philippe Bradshaw: Chains and Videos.” Made from anodized aluminum chains,

Photos examine family cultural diversities

By Judith Smith

Phoenix photographer Susan Frank opens the exhibition season at ASU’s Gammage Auditorium with two photo essays, “Family Gatherings” and “Across America,” on display Sept. 8 – Oct. 12.

“Family Gatherings: Portrait of the American Family” examines the diversity of America through family gatherings from five different cultures: African-American, Asian, East Indian, Irish and Hispanic.

The essay includes color photographs of each of the five families as members prepare a festive meal typical of their ethnic background, then dine together.

“The exhibit captures the love, joy and laughter that surround family gatherings, no matter what the culture,” Frank says.

In “Across America: Snapshots of Life and Landscapes,” Frank cap-

“
The exhibit captures the love, joy and laughter that surround family gatherings, no matter what the culture.
Susan Frank
photographer

tured glimpses of life and landscapes as she traveled by train across America. The exhibit includes black and white photographs of Americana: urban and rural landscapes, small-town life and train travelers.

Frank, a native Arizonan, graduated from Tulane University and Loyola Law School, and has practiced law for the past 15 years. An award-winning artist and photographer, she specialized in portraits of

families and children in color and black and white, as well as hand-painted portraits and collage art.

In 2000, she received a first-place award from the Arizona Press Club for a collage that appeared in Raising Arizona Kids magazine.

Exhibit hours at Gammage Auditorium are 1 – 4 p.m., Monday through Friday.

Due to rehearsals, event set-up, performances, special events and holidays, it is advisable to call (480) 965-4050 the day of attendance to ensure viewing hours, since they are subject to cancellation without notice.

Entrance is through the East Lobby Doors. Visitors should ask for assistance at the Gammage Box Office.

Smith, with Public Relations, can be reached at (480) 965-4821 or (jps@asu.edu).

Philippe Bradshaw’s rendition of Mona Lisa hangs from the gallery ceiling like colorful beaded curtains or macramé from the early ’70s. Video projections onto the chain surface create unlikely pairings. From video art and the Mona Lisa to driving dance club music and a museum setting, Bradshaw re-examines traditional perception and environmental settings. Closing Reception: 7 – 9 p.m., Sept. 13.

Sept. 13 – Jan. 3, “Mexican Folk Art in Context: Works from the Collection of Kathleen and Richard Vanesian.” Selected from more than 300 works collected over more than 25 years, the exhibition demonstrates ways in which folk artists reflect or comment on both enduring and changing aspects of their world. It also places works of art in the context of the makers’ particular worlds, with photographic references gathered by the Vanesians as they collected throughout the Mexican republic. Opening Reception: 7 – 9 p.m., Sept. 13.

Through Sept. 14, “The Museum Store Collects.” This exhibition presents a selection of works purchased with Museum Store funds, a tribute to its role in bringing community support to the collection.

ASU Art Museum Ceramics Research Center (10 a.m. – 5 p.m., Tuesday – Saturday, Tempe Center.)

Through Sept. 13, “Ceramics Faculty Selects From the Collection.” Ceramics faculty in the Herberger College School of Art select favorite and important pieces from the ASU Art Museum’s 3,000-piece ceramics collection for this summer exhibition.

ASU’s Gammage Auditorium (1 – 4 p.m., Monday – Friday. Information: (480) 965-4050.)

Starting Sept. 8, “Family Gatherings: Portrait of the American Family.” Photographer Susan Frank’s photographic essay examines the diversity of America through family gatherings from five different cultures: African American, Asian, East Indian, Irish and Hispanic. The exhibit captures the love, joy and laughter that surround family gatherings, no matter what the culture.

Through Sept. 30, Hispanic Heritage Month features Marco Albarrán, Zarco Guerrero, Gilberto Perez Quintana.

ASU’s Kerr Cultural Center (10 a.m. – 5 p.m., Monday – Friday and during performances at 6110 N. Scottsdale Road, Scottsdale. Exhibition hours are subject to change. Information: (480) 965-5377.)

Through Sept. 30, “The Arizona Print Group: Hand-Pulled Prints.” Members of the Arizona Print Group will exhibit their work at ASU’s Kerr Cultural Center. Members work in a variety of media including intaglio, relief, lithograph, monotype and silkscreen. The artistic expression is modern and contemporary, and reflects a variety of creative personalities. Opening reception from 6 – 9 p.m., Sept. 11.

Gallery of Design (8 a.m. – 5 p.m., Monday – Friday, Architecture Building South. Information: (480) 965-6384.)

Through Sept. 5, “Annual MFA Summer Exhibition.” This juried exhibition features outstanding work by

artists pursuing master of fine arts degrees at the School of Art in ASU’s Herberger College of Fine Arts.

Starting Sept. 8, “The Florence Experience: City Sites and Possibilities.”

Museum of Anthropology (noon – 4 p.m., Monday, Wednesday, Friday; 10 a.m. – 2 p.m. Tuesday, Thursday, Cady and Tyler Malls. Information: (480) 965-6213.)

Through May 28, “Stitches of War.” This exhibit provides a visual record of the impact of war on women’s lives as evidenced by changes in traditional women’s crafts, such as weaving, sewing, embroidery, knitting, beadwork and basketry.

Through Oct. 15, “The Mystery Beneath the Lake: Who Were the Salado?” explores the archaeological puzzle of what lies under Roosevelt Lake. Archaeological excavations were recently required in areas of the Tonto Basin that may be inundated by the expansion of the Salt River’s Roosevelt Dam. New information from this research, including work by ASU’s Office of Cultural Resource Management, is highlighted in the exhibit.



Athletics

Tickets for all sports are available from 9 a.m. to 5 p.m., Monday – Friday, at the Sun Devil Ticket Office at the south end of Sun Devil Stadium in the Carson Student-Athlete Center. Call (480) 965-2381.

All football and soccer games played in the Sun Devil Stadium; and all volleyball games played in the Wells Fargo Arena.

Saturday, Sept. 6

Football, 7 p.m., ASU vs NAU.

Friday, Sept. 26

Women’s Volleyball, 7 p.m., ASU vs Arizona.

Friday, Sept. 19

Women’s Soccer, 7 p.m., ASU vs San Francisco.

Sunday, Sept. 21

Women’s Soccer, 11 a.m., ASU vs Kentucky.

Saturday, Sept. 27

Women’s Soccer, 7 p.m., ASU vs New Mexico.



Defenses

Ana Nunez Ronchi, Ph.D., Span., 10 a.m., Sept. 15, LL 264.

Michael Frank Motola, M.S., Mech. Engr., 2 p.m., Sept. 11, ERC 593.

John Kinsley Zehmer, Ph.D., Bio., 2 p.m., Sept. 19, LS C 488.

College finds international collaboration fundamental to research success

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Through the Russian and Eastern European Studies Consortium, the Southeast Asian Studies Program, the Center for Asian Studies and the Center for Latin American Studies, summer language programs and practicum are also run in Armenia, Macedonia, Serbia, Indonesia, Thailand, Vietnam, the Philippines and Ecuador.

Summer programs abroad also focus on areas of study beyond language. The School of Life Sciences sponsors a second ASU summer program in Ecuador that focuses on tropical field biology.

The Arizona Center for Medieval and Renaissance Studies supports a program in Cambridge, England, focusing on literature and historical study. Anthropology offers three summer programs — a field school at a Bronze Age

archaeological dig in Jordan, a paleoanthropology field school in South Africa studying human ancestor fossils and ecology, and a field school in ethnography in Ensenada, Mexico, where students study Spanish and contemporary Mexican culture.

Of course, not all study-abroad programs run during the summer. The Russian and East European Studies Consortium, for example, has established relationships with a variety of East European universities and is currently offering study opportunities at Universities in Macedonia, Armenia, Russia and Serbia. The Languages & Literatures Department has similar relationships with several universities including two in Spain and three in France.

In many disciplines at ASU, international collaboration is a fundamental part of faculty research activities. ASU's Institute of Human Origins, for example, is involved in field re-

search in a number of African and Middle Eastern countries, including Ethiopia, Israel, and South Africa. Institute scientists work closely with team members from the countries where the research sites are located, and these foreign scientists come to ASU.

Finally, there are all the activities that programs and faculty engage in that can only be described as service to the international community. While ASU has long had deep connections with Arizona, in recent years the university has begun to have a real global impact.

Under the auspices of USAID, groups of Serbian, Bosnian and Macedonian professionals visit Arizona several times each year in a training program hosted by Russian and Eastern European Studies.

ASU plant biologist Jianguo Wu is similarly assisting Chinese scientists who lack adequate academic resources to connect with the world's

scientific community in studying a developing ecological disaster caused by China's new Three Gorges Dam.

Another plant biologist, Charles Arntzen has made it his life's work to find biotech solutions aimed at treating common diseases that currently kill millions each year in third world countries. Biologists James Collins and Elizabeth Davidson are hot on the trail of emerging amphibian diseases that are ravaging ecosystems around the world.

The same kind of stories can be told about many faculty working in many different departments, as research and professional work done here in Tempe is of world significance and is having a profound effect on peoples and countries around the globe.

Hathaway, with the College of Liberal Arts & Sciences, can be reached at (480) 965-6375 or (hathaway@asu.edu).

In Brief

ASU West holds remembrance

ASU West Campus will be holding events all day, Sept. 11, in observation of the tragic events of Sept. 11, 2001. There will be a "ringing of the bell," a welcome by ASU West Provost Elaine Maimon, and a poetry reading from 9 to 9:30 a.m. in front of the bell.

A panel discussion titled "9/11: Two Years After" will be held from noon to 1:30 p.m., in UCB rooms 265 – 266. A talking circle also will be held from 6 to 7 p.m., on the grass in front of the library.

Staff barbecue planned

A classified staff barbecue, hosted by ASU President Michael Crow and sponsored by the Classified Staff Council, will be held Oct. 8 from 11:30 a.m. to 2 p.m. on the Alumni Lawn in front of Old Main.

RSVP is required by Sept. 17 at (www.asu.edu/csc/) and needs to include a choice of barbecued pork sandwich, chicken sandwich or veggie burger.

Lunch tickets will be sent via campus mail. For information, call the Classified Staff Council at (480) 727-8233.

Bookstores offers regalia sale

ASU Bookstores will host a semi-annual 25 percent discount sale on faculty regalia, Sept. 8 – 10.

A representative from the E.R. Moore Company will assist faculty members with their selections at each of the following campuses: 10 a.m. – 2 p.m., Sept. 8, West Campus Bookstore; 10 a.m. – 1 p.m., Sept. 9, East Campus Bookstore; 8 a.m. – 2 p.m., Sept. 10, Main Campus Bookstore.

ASU team participates in charity race

For the fourth straight year, the 3 Points ASU team, composed of students, faculty and staff will participate in the Komen Phoenix Race for the Cure on Oct. 12, in downtown Phoenix. The goal is to create greater ASU community involvement and awareness of breast cancer, education and health.

Those interested can register at the following sites: Child & Family Services, Memorial Union, room 14C; Intergroup Relations Center, Student Services Building, room 278; and Women's Studies, Engineering Center, A wing, room 209.

Registration is also available online at (www.race4curephx.org). The following team information is required: the team name (3 Points ASU) and the password (Sparky).

Deadline for registration is 5 p.m., Sept. 15. For information, e-mail (maureen.duane@asu.edu) or (sherrie.loomis@asu.edu).

College considers course changes

The College of Liberal Arts and Sciences curriculum committee will meet at 1:30 p.m., Sept. 11, in the Social Sciences Building, room 318.

The committee will consider the following changes:

English

Prerequisite Change

ENG 414 Studies in Linguistics

Family and Human Development

Major Requirements

Revise requirements for major in Family Studies/Child Development concentration

Geological Sciences

New Course

GLG 404 Fundamentals of Planetary Geology

History

Course Number & Description Change

HST 442 to HST 379 Rebellion and Revolution in South America

Prerequisite Changes

HST 481 Methods of Teaching History: Classroom

Resources

HST 480 Methods of Teaching History: Classroom

Resources

Interdisciplinary Humanities Program

New Courses

HUM 100 Introduction to Film and Media Studies

HUM 300 Cultural and Media Theory

Languages & Literatures

New Courses

FRE 325 Intro to French Film

FRE 432 Gay Identities in Modern French Literature

Title Changes

FRE 535 French Literature of the Sixteenth Century

FRE 510 Explication de Textes

Mathematics and Statistics

Name Change

Request name change for Computational Biosciences

Degree program

Minor Change

Revise requirements for the minor in Mathematics

Prerequisite Changes

MAT 362 Advanced Mathematics for Engineers and

Scientists

MAT 372 Advanced Calculus II

MAT 415 Introduction to Combinatorics

MAT 416 Introduction to Graph Theory

MAT 419 Introduction to Linear Programming

MAT 420 Scientific Computing

MAT 423 Numerical Analysis I

MAT 425 Numerical Analysis II

MAT 442 Advanced Linear Algebra

MAT 443 Introduction to Abstract Algebra

MAT 445 Theory of Numbers

MAT 447 Cryptography

MAT 451 Mathematical Modeling

MAT 452 Introduction to Chaos and Nonlinear

Dynamics

MAT 455 Introduction to Fractals and Applications

MAT 460 Vector Calculus

MAT 462 Applied Partial Differential Equations

MAT 472 Intermediate Real Analysis I

Description Changes

MAT 274 Elementary Differential Equations

MAT 275 Modern Differential Equations

Description & Prerequisite Change

MAT 343 Applied Linear Algebra

Military Science

Delete Courses

MIS 414 Comparative Defense Policy Analysis

MIS 416 Soviet/C.I.S. Foreign and Defense Policies

Philosophy

New Course

PHI 320 Bioethics

Description Change

PHI 314 Philosophy of Science

School of Life Sciences

Major Revision

Revise requirements for major in Molecular

Biosciences and Biotechnology

Sociology

Description Changes

SOC 333 Population

SOC 341 Modern Social Problems

SOC 448 Epidemics and Society

Delete Course

SOC 318 Overview of Aging

Speech & Hearing Science

Title, Description & Prerequisite Change

SHS 502 Differential Diagnostic for Audiology

Description & Prerequisite Changes

SHS 511 Auditory Perception by the Hearing Impaired

SHS 508 Pediatric Audiology

SHS 545 Speech Perception by the Hearing Impaired

SHS 555 Cochlear Implants

SHS 516 Auditory-Evoked Potentials

Title & Prerequisite Change

SHS 515 Audiologic Instrumentation and Calibration

For information, call Jenny Smith at (480) 965-8260.

Committee to consider courses

The Main Campus Curriculum Subcommittee for action will meet from 3:30 – 5 p.m., Sept. 10, in the Memorial Union Havasupai Room 208D.

The committee will consider the following courses:

College of Architecture and Environmental Design

New Course

INT 238 Introduction to Computer-Aided Design, 3

hours

College of Education

New Courses

SPE 416 Quality Practices in the Collaborative Classroom, 1 – 3 hours

SPE 417 Inclusion Practices at the Secondary Level, 3 honors hours

HON 378 Culture and Society in England, Ireland & Scotland, 3 hours

HON 379 Romantics, Victorians and Moderns, 3 hours

College of Liberal Arts & Sciences

New Courses

BIO 390 Medical Field Placement, 3 hours

BIO 451 Cell Biotechnology Laboratory, 3 hours

BIO 490 Surgical Field Placement, 3 hours

FLA 461 Feminist Political Writing in Contemporary Europe, 3 hours

FLA 464 Politics of Drams in 20th Century Europe, 3 hours

FLA 472 Literature and Politics in Pre/Post Communist Europe, 3 hours

FLA 476 Literature and Film in 20th Century Eastern Europe, 3 hours

HUM 210 Introduction to the Study of Culture, 3 hours

MBB 247 Applied Biosciences: Biotechnology, 3 hours

MBB 248 Applied Biosciences: Biotechnology Lab, 1 hour

REL 384 The Bible and Archaeological Discoveries, 3 hours

For information call Phyllis Lucie at (480) 965-0739.

Correction

In the Aug. 29 issue of ASU Insight, the Web address for the report from the University Design Team was incorrectly stated. The correct address is (www.asu.edu/provost/designteam/report/outline.html).



(Counterclockwise from left) Nora Annesley Taylor, associate professor of interdisciplinary humanities; Kimberly Updegraff, associate professor of family & human development; and Nikhilesh Chawla, associate professor of chemical and materials engineering, are among four newly-tenured faculty members cited by ASU President Michael Crow as being exemplar faculty members.

Four faculty members set shining example for ASU

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Kimberly Updegraff, associate professor of family & human development, has earned the respect of colleagues across the country with her research on the effect of family interactions upon adolescent social development and peer experiences. Her work considers the role of gender, ethnicity and culture in adolescents' family interactions and peer relationships.

"Because of its more accurate reflection of family dynamics in a multicultural society, policy makers are likely to find her research an effective model upon which to create or revise economic and social programs," says Richard Fabes, chair of the Family & Human Development. "Updegraff has emerged as a leader in a field whose knowledge creation is critical to the stability and vitality of our society."

Updegraff has made 44 refereed national presentations and published 19 refereed articles and two chapters. She was nominated last year for the Dean's Distinguished Teaching Award in the College of Liberal Arts & Sciences.

Nora Annesley Taylor, associate profes-

sor of interdisciplinary humanities and coordinator of the program's concentration in Asian studies and humanities, is an art historian whose scholarship has taken a radical departure from the traditional perspective of her field. Through numerous articles, exhibition catalogues and edited volumes, she has argued that an active community of artists in Vietnam has played an active role in the economic, political and social transformation of that country.

"The persuasiveness of her scholarship, which is interdisciplinary, has caused her professional colleagues across the globe to recognize her as re-inventing her field of study," says Vice Provost Gutierrez. "Further, she has challenged her students on both the undergraduate and graduate levels to look at the world from multidisciplinary and multicultural perspectives."

Taylor is serving a three-year term as chair of the Vietnam Studies Group for the national Association for Asian Studies. Because of her expertise, she has been invited to present 26 lectures and 14 conference papers around the world.

Nikhilesh Chawla, associate professor of

chemical and materials engineering, is a highly respected teacher who was a finalist for two teaching awards last year, the Professor of the Year by the ASU Parents' Association and the Teaching Excellence Award by the Ira A. Fulton School of Engineering. He has had 13 sponsored research projects and one patent since coming to ASU in 2000, and has had 60 publications and made 107 presentations thus far in his career.

"Chawla's performance at ASU has been stellar," says Subhash Mahajan, chair of the Chemical & Materials Engineering Department. "His ability to identify the right goals, and to pursue them in a diligent fashion, sets him apart from others. His combination of vision and discipline are marks of someone with a great future."

These exemplary faculty have received an extra salary increase in addition to the promotion adjustment, and in some cases have received a commitment for additional teaching or research assistance.

Auffret, with Media Relations & Public Information, can be reached at (480) 965-6991 or (sauffret@asu.edu).

Researcher begins genome comparison

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of the human genome to that of the chimpanzee, baboon, cat, dog, cow, pig, rat, mouse, chicken, two species of puffer fish and zebrafish.

Touchman said the work is both a technical achievement in the amount of the genome sequenced (1.8 million base pairs in each of the 12 species), as well as for what will be learned by comparing these genome sequences together. It could provide clues as to how each vertebrate evolved.

"One of the things we examined was how much of the genome sequence was 'conserved' across organisms," Touchman said.

As organisms evolved into species, specific sequences were conserved, or selected for retention in the genome, over millions of years of evolution. The sequences that were conserved are thought to be strong candidates for being biologically significant to the survival of that species.

"We already know that genes are very highly conserved across vertebrate species, but what we are finding now is that not only are genes conserved, but other anonymous sequences are conserved as well," Touchman said. "These regions are likely to control important functions such as gene expression."

Also, by studying the differences in the genome of humans compared to other vertebrates, the researchers could determine when organisms split off and headed in different evolutionary directions.

The work shows that humans are genetically more closely related to mice and rats than to dogs and cats.

"This has been a controversial issue," Touchman said. "We determined this by looking at the ancestral repetitive sequences that are in these genomes and compared them to each other to infer phylogenetic relationships."

Touchman added that the real significance of the work might lie in the paradigm of comparing large regions of genomic sequence together, from multiple species to explore functional similarities and differences in the genetic code of those species. Because sequencing is an arduous and costly task, scientists do not have complete sequences of the genomes of many species. But they are eager to begin the comparative study of genomes.

"The work provides a first glimpse of the type of genomic studies that will occur in the future as more and more whole genomes are sequenced," Touchman said.

For a copy of the paper, visit (http://www.nature.com/cgi-taf/DynaPage.taf?file=/nature/journal/v424/n6950/full/nature01858_fs.html).

Derra, with Media Relations & Public Information, can be reached at (480) 965-4823 or (skip.derra@asu.edu).

Playwright, author shares 'life in theater' for annual Marshall Lecture

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Wasserstein will share her thoughts on making a career in the arts — a topic in which she has a wealth of experience. Wasserstein's plays include the wildly successful "The Heidi Chronicles," "Isn't it Romantic," and "Uncommon Women and Others," The "Heidi Chroni-

cles" won Wasserstein a Tony Award for best play and the coveted Pulitzer Prize, making her the first woman to win the Pulitzer for an original play.

Wasserstein's screenplay, "The Object of My Affection," became a major motion picture starring Jennifer Aniston. Wasserstein is also the author of a children's book and sev-

eral collections of essays.

The lecture is free, but reservations are required. To reserve seats, call (480) 965-0051 or e-mail (clasevents@asu.edu) specifying the Marshall Lecture, your name, and how many seats are desired.

The Marshall Lecture series is funded by grants from Jonathan and Maxine Marshall, re-

tired publishers of *The Scottsdale Progress*, and by the Marshall Fund of Arizona.

For information visit (<http://clasdean.la.asu.edu/afc/Marshall/>)

Shindell, with the College of Liberal Arts & Sciences can be reached at (480) 965-6375 or (mattshin@asu.edu).

Employment

The following positions are available as of Sept. 5 and are subject to change. All positions will be advertised in Insight only once. Staff Requisition or Job Order number for each position is indicated by the (#) sign. ASU is an equal opportunity/affirmative action employer.

Main and East campus positions

A complete job announcement for classified, administrative and service professional positions is available on the Human Resources Web page at (www.asu.edu/hr/jobs), the Dial-a-Job Hotline at (480) 965-5627 or the Telecommunication Device for the Deaf at (480) 965-3002.

Dates listed are application deadlines and application material is due by 5 p.m. on that date. Positions are 100% FTE unless otherwise noted. Codes below are: (C) – Classified; (A) – Administrative; (S) – Service Professional; #O – position is open to the public; #U – position is limited to current ASU, Northern Arizona University, University of Arizona and Arizona Board of Regents employees.

Main Campus staff positions

Professional

Administrative Associate (C)/#U-112495 – Office of the Executive VP/Provost (Sept. 15).
Laboratory Coordinator (C)/#O-112518 – Civil & Environmental Engineering (Sept. 12; every two weeks thereafter until search is closed).

Technical and computer

Technology Support Analyst, Senior (C)/#O-112376 – W. P. Carey School of

Business Information Technology (Sept. 12; every two weeks thereafter until search is closed).

Clerical and secretarial

Administrative Assistant (C)/#O-112537 – Chemical & Materials Engineering (Sept. 15; every two weeks thereafter until search is closed); (C)/#O-112429 – Electrical Engineering (Sept. 12; every two weeks thereafter until search is closed).
Secretary (C)/#O-112480 – Psychology (50% FTE) (Sept. 30; every two weeks thereafter until search is closed).

Service/field craft/maintenance

Custodian (C)/#O-112460 – Residential Life (Sept. 12).
Custodian Lead (C)/#O-112488 – Custodial Services (Sept. 12; every two weeks thereafter until search is closed).
Event Attendant (C)/#O-112392 – Public Events, Kerr Cultural Center (49% FTE) (Sept. 12).
General Maintenance Mechanic (C)/#O-112434 – Residential Life (Sept. 12); (C)/#O-112458 – Residential Life (49% FTE) (Sept. 12).

East Campus staff positions

Clerical and secretarial

Office Specialist (C)/#O-112536 – ASUE Office of the Provost (Sept. 10).

Main and East Campus academic positions

For complete position descriptions/application requirements, contact the appropri-

ate department listed below. Faculty, academic professional and graduate assistant positions are also listed on the Human Resources Web sites and details must be obtained from the hiring department. Application deadlines are as listed.

Main Campus academic positions

Academic Professional

Humanities – Academic Associate (Adviser) (50% FTE) (Sept. 10).

Faculty

College of Nursing – Clinical Assistant/Associate Professor – Community Health Nursing/#7562 (Oct. 1; the 1st of each month thereafter until search is closed); Assistant/Associate Professor/#7563 (Nov. 21; the 1st of each month thereafter until search is closed).

Russian & East European Studies Center – Faculty Associate – CLI/#7570 (67% FTE) (Dec. 1; every two weeks thereafter until search is closed).

Graduate assistant positions

For information on the following jobs, contact the person or department listed. Only the departments listed below can provide information about the graduate assistant positions available.

Office of Student Services – Graduate Research Assistant/#7568 (50% FTE) (Sept. 12; every Friday thereafter until search is closed) (Payne Education room L1-13).

ICA offers piles o' fun for employees

By Ina Zajac

ASU faculty and staff are invited to share in the excitement of what looks to be a banner year for the Sun Devils, who have been ranked in the top 25 in both the USA Today/ESPN Top 25 Coaches Poll, and the AP (Associated Press) Preseason College Football Poll.

The Eleventh Annual Faculty/Staff Day Saturday is being held Sept. 13, as ASU takes on Utah State at Sun Devil Stadium. Kick-off is at 7 p.m.

Executive Athletic Director Gene Smith says he hopes many faculty and staff members will attend the game and the tailgating party, not only to support ASU's student-athletes, but also to get together with co-workers and friends within the ASU community.

"Our faculty and staff are very important to us," Smith says. "We must start by recognizing the home front — the fine people who work on this campus and who support the entire university effort."

Employees will soon be receiving event flyers via interoffice mail, which can be redeemed for end zone tickets for — just \$12 each. With each ticket purchased, employees will also receive a complimentary hot dog and soda or water



Tim Trumble Photo

Faculty and staff can purchase discount tickets for the Sept. 13 game against Utah State. With each \$12 ticket purchased, employees will receive a complimentary hot dog and soda during the pre-game tailgate party. Above, ASU defense gangs up on Stanford during last season.

at the pre-game tailgate party.

The party is being held at the ASU Arboretum, located just north of Wells Fargo Arena. The Sun Devil cheerleaders, Sparky and the ASU Pep Band will make an appearance, and there will be activities for kids.

In addition to free hot dogs, employees can also purchase hamburgers, chicken sandwiches and other goodies provided by Monti's restaurant. Vendors selling beer will also be on hand.

All employees who attend the tailgate will also receive a voucher for a free pair of tickets to an ASU Men's and Women's basketball game.

S. Mitchell Harris, assistant director, Office of Annual Fund, says he hopes to see a big turn out at the tailgating party and the game.

"Many employees and their families look forward to this day of fun and celebration," Harris says. "My experience last year was wonderful as I watched the many families and my children enjoying the entire experience. I am confident that this year's event will be an even bigger success."

Tickets can be purchased at the Carson Athletic Center Box Office located at the south end of Sun Devil Stadium.

For information, visit the ticket office at Sun Devil Stadium, the Web at (<http://thesundevils.fansonly.com>) or call Candi Crawford at (480) 727-6971.

Zajac, with Media Relations & Public Information, can be reached at (480) 965-8145 or (izajac@asu.edu).

University seeks state's youth to join club

By Manny Romero

ASU is asking Arizona's middle and high school students to "join the club" — Club ASU that is.

"Club ASU is a new program designed to engage the youth in our community," says Anna Wales, program coordinator senior for the Office of Public Affairs. "We realize ASU can be very intimidating for some students visiting our campus."

Once a student joins Club ASU, they will receive a personalized Club ASU membership card that will serve as their ticket to special events and programs that include special campus tours, events with current ASU students, social and sporting events.

"We will be keeping track of our Club ASU members," Wales says. "They will be invited to come back for other special and cultural events in the future. This program is about relationships and commitment to our communities within and outside of Maricopa, and it's really about our community feeling 'at home' on our campus."

The first Club ASU members, who will include tribal communities and other state community groups, will attend the Sept. 6 football game featuring the ASU Sun Devils battling the Northern Arizona University Lumberjacks.

On Sept. 13, ASU is hosting Club ASU members from Yuma. These club members will be attending the ASU vs. Utah State football game during their visit.

Luis Heredia, community representative for Congressman Raúl M. Grijalva, Arizona, 7th Congressional District, who is helping in this collaborative effort, says exposing Yuma area students to ASU at an early age will open doors to families that might not be familiar with ASU's culture.

"Students will experience the many dimensions of ASU and college in general," Heredia says. "That type of opportunity is just not available in rural Arizona."

Heredia says about five different middle schools are making arrangements to attend. "Schools from Yuma County are attending," he says. "This includes schools from Yuma, Somerton and San Luis."

Heredia knows very well how programs like Club ASU could benefit students from rural areas.

"I grew up with many talented individuals and because of the limited opportunity that exists in Yuma, many decided to put college on the back burner," says Heredia, who earned a bachelor of science degree in history from ASU in 1998. "I think that a program like Club ASU will expose students and will assist them to set the bar higher. I personally know that many are up to the challenge and together with fellow Yuma area ASU alumni, we welcome ASU's efforts."

Wales says Club ASU is more than just a recruitment effort by the university.

"This is an invitation to belong to ASU," she says. "You don't have to attend ASU in order to belong here. I want students to realize that the university is here for so many reasons. This is such a dynamic, exciting place to be. We want everyone to know, we are here for them."

For information about Club ASU, send an e-mail to (clubasu@asu.edu). Romero, with Media Relations & Public Information, can be reached at (480) 727-3116 or (mlromero@asu.edu).



Tim Trumble Photo

Faculty/Staff enjoy free week, get fit at SRC

ASU faculty and staff members are invited to take advantage of a week of free amenities at the Student Recreation Complex (SRC) Sept. 7–13. Interested employees, with ASU ID, can stop by and try out a fitness class or the various cardiovascular equipment, go for a swim in the outdoor pool or check out the weight room. For information, call the SRC at (480) 965-8900.

ASU Police upgrade campus 911 system

By Keith Jennings

Thanks to \$250,000 in funding from the Arizona Department of Administration's State 911 Office, ASU now has one of the most advanced 911 centers in the state.

"The new system is completely computerized and integrated into our communications system," says Brian Tobin, the assistant communications supervisor of the ASU Police Communications Center. "The 11-year-old system was manual, did not integrate the phone system with our radio system and didn't have a lot of the features we needed."

The new Positron 911 system features color display monitors, additional information features and integrated communications systems.

"Now, instead of juggling telephone handsets and radio communications, our dispatchers use headsets, press a button to talk directly to the officer in the field and repeat that process as often as needed," Tobin says.

He adds that it greatly improves the dispatchers' ability to handle calls for service on dedicated 911, non-emergency and TDD lines.

"We also now have four workstations for the dispatchers instead of three, allowing us to handle a greater volume of calls, and we can monitor our performance as well," he says.

Karon Zimpfer, program manager from the ASU Police

Department, also praises the new system.

"The computerized system allows us to track and log calls automatically, as well as replay a 911 call instantly," she says. "That can be important if we're in need of details to aid in a response to a situation."

Tobin says that the new system will be easier to upgrade in the future.

"When cell phone tracking comes on line in the next two years, we'll be able to easily integrate that into our system."

Cell phone tracking or locator has become a new trend for emergency services. When someone calls 911 from a regular telephone, the dispatcher is provided with location information, so if a person calls 911 and can't say anything, the dispatcher can still find the location and send help. Currently with cell phones, there is no way to determine where the call is coming from. However, new technology will allow police and fire dispatchers to pinpoint the location of a cell phone.

Tobin also notes that the new system has better survivability features: redundant back-up power supplies and uninterruptible service. "The new system is designed to stay usable and operational under extreme conditions," he says.

Tobin expressed appreciation to members of the university community who helped install the new system. He especially wants to give credit to the members of ASU's tele-



Tim Trumble Photo

Mary Watts, dispatcher for ASU Police, enjoys using the new 911 system, funded by the Arizona Department of Administration's State 911 Office.

phone services office who worked on the project on campus, Qwest Communications and the Arizona Department of Administration, which made the funds available.

Jennings, with Media Relations & Public Information, can be reached at (480) 965-3504 or (k.jennings@asu.edu).