December 11, 2009

Inside Insight

History Detectives

AZU now becomes TV signal

Work dynamics

People discuss healthy workplaces

‘p.a.v.e.’ the way

Artists embrace entrepreneurship

Insight online

As reported in the Dec. 4 edition, ASU insight is moving exclusively online in the spring semester. The Dec. 18 edition of ASU Insight will be the final print edition. Beginning at the start of the spring semester, Insight will be released alongside a weekly e-newsletter publication provided to all ASU employees.

The move is part of the expansion of the university’s online operations. ASU News at asunews.asu.edu, to offer enhanced delivery options for daily, as well as ASU Insight, rebranded under audio, video and multimedia content, and integration with other online features and services. The expansion will improve digital delivery of university news to the ASU community and beyond.

In the weeks leading up to the Spring 2010 semester, the ASU community can expect to be updated on the new format through a series of direct e-mail messages. To continue reading stories about ASU after the Dec. 18 edition of Insight, visit the ASU News site at asunews.asu.edu.

Commencement

More than 5,000 Arizona State University students will take home a holiday present they worked hard to earn, as they cross their degree at ASU’s commencement Dec. 17. The ceremony will take place at 9 a.m., in Wells Fargo Arena on campus.

Read the full story and get a closer look at some of the 2009 graduates on pages 7-9 in this edition of Insight.

Here to help

Students passing through the Center Building at ASU's Polytechnic campus are noticing something new this semester, and it could help them find a job. One of the office suites in the building has been renovated and converted to the new home of the Career Preparation Center. The center helps students create resumes, practice interviews and plan their transition from college to the working world.

The new space, centrally located for student foot traffic, allows for classes and career workshops, provides rooms for employers to conduct interviews or for students to conduct mock interviews, and accommodates student traffic during the twice-yearly career fairs.

“We want students to know that they can come here with any questions they may have, whether they're freshmen trying to choose their career path or seniors who need to take their resume to the next level,” said Barbara Aarestad, career preparation coordinator. “We're here to help.”

Regents’ Professors

Forces in physics: Stuart Lindsay and Otto F. Sankey

Lindsay explores physics of living things

By Richard Harth

Stuart Lindsay, a biophysicist and Regents’ professor at Arizona State University’s Biodrug Design Institute, finds it hard to remember a time when he wasn’t fascinated with science. “As a little kid, I collected rocks, played with chemistry sets and built radios,” Lindsay says.

He attended Amherst College, where he and high school friends shot off rockets on the football field in his hometown of St. Louis, Missouri.

“We had what we called a rocket society,” Lindsay says. “These Estes rockets looked in the same place. They would go pretty high and I remember being amazed in finally understanding why trigonometry was useful. You could look at the angle of your rocket from the ground and measure the distance you were away from the launcher, and assuming it went straight up, you could determine how high it went.”

Sankey brings life to physics studies

By Carol Hughes

By account, the spark that may have ignited Otto Sankey’s love affair with physics was a balsa wood Estes model rocket, which he and high school friends spotted off on the football field in his hometown of St. Louis, Missouri.

“He had what we called a rocket society,” Sankey says. “These Estes rockets looked in the same place. They would go pretty high and I remember being amazed in finally understanding why trigonometry was useful. You could look at the angle of your rocket from the ground and measure the distance you were away from the launcher, and assuming it went straight up, you could determine how high it went.”

By Sharon Keeler

Cortese to lead new health care program at ASU

Former Mayo CEO joins ASU efforts to shape better health care system

By Janie Magruder

Denis Cortese, a doctor of medicine, former president and chief executive officer of Mayo Clinic, will join the faculty of Arizona State University in February.

Cortese will lead the ASU Health Care Delivery and Policy Program that is focused on facilitating and promoting a sustainable U.S. health care delivery system that produces high value health care for all citizens.

He also will be a Foundation Professor in the Department of Biomedical Informatics and the School of Health Management and Policy in the W.P. Carey School of Business.

“Dr. Cortese has unparalleled professional expertise and is an innovative thinker when it comes to envisioning a health care system that is focused on the patient and is financially sustainable,” ASU President Michael Crow said.

AZU embarks on major changes, big ideas aimed at solutions to pressing challenges so it’s a perfect fit.”

“We are thrilled that Dr. Cortese is joining our faculty to help lead our efforts in shaping a better health care system for our state and nation and to work with our faculty and students who are interested in these issues,” said Elizabeth D. Capaldi, ASU’s executive vice president and provost.

Cortese, whose career spans 40 years at Mayo, said what drew him to ASU was the opportunity to lead an initiative truly focused on designing a better health care delivery system in the United States.

“I have been interested in this area for the past 20 years,” he said. “How do we design a delivery system that keeps people healthy instead of just taking care of them when they are sick? That means looking at a myriad of things, including the environment in which care is delivered, to changing the way people are paid, to allowing physicians to prescribe medicine in a way that makes sense for patients. Our country should have the highest value health care system in the world. It should not strive to simply have cheaper health care.”

Value in health care, he said can be measured as patient outcomes plus safety plus patient satisfaction/cost over a span of time.

Several universities were interested in Cortese’s goal of advancing a high value health care system, but he said that ASU was the right fit for several reasons.

By Carol Hughes

Professors build first global nanotech regulation database

By Janie Magruder

A global database of government documents on nanotechnology is being launched by three law professors at Arizona State University who, with their colleagues in Australia and Belgium, have compiled and organized a massive number of regulatory documents dealing with the rapidly advancing technology. The Nanotech Regulatory Document Archive, (http://nanotech.law.asu.edu), is a free resource built and maintained by the Center for the Study of Law, Science, & Technology at the Sandra Day O’Connor College of Law. Over the past year, Gary Marchant, the center’s executive director, and center Faculty Fellows Douglas Sylvester and Kenneth Abbott, developed the database as part of a multidisciplinary grant from the U.S. Department of Energy’s Genomic Science Program.

The project is a natural fit for the center, which is housed in the first U.S. law school to offer a regular course in nanotechnology, has several faculty members who actively publish in the area and has amassed a cluster of law student researchers in the emerging technology, Marchant said.

The archive will enable government regulators, industry officials, public-interest groups, educators, students and the public to search for a variety of documents from every country in the world, and from every level of government. Its creation comes at a time when the worldwide regulation of nanotechnology is expected to ramp up considerably, in an attempt to keep pace with the rapid advances in the field.

“There’s going to be a lot of activity in this area, and it’s very important for people to be able to keep up,” he said. “Every country is in the same place, going through the same steps, starting to put into place regulatory programs.”

(See LINDSAY on page 11)

(See SANKEY’S on page 11)

(See CORTESE on page 11)

(See LAW on page 10)
Cancer detection report earns scientific paper

By Joe Kullman

An Arizona State University engineering professor's contributions to a research project that is making strides in cancer detection in mice has been recognized by a major international organization.

Sungchun Kim is the senior author of a report on the work that earned the prize for the best scientific paper by an engineering student at the International Conference on Bioinformatics & Biomedicine on Nov. 10 in Washington, D.C. The conference was organized by the Institute of Electrical and Electronics Engineers (IEEE), the world's largest professional association for the advancement of technology.

Kim is an assistant professor in the School of Computing, Informatics, and Engineering, a part of ASU’s Ira A. Fulton Schools of Engineering. As a joint hire of the university and the Translational Genomics Research Institute (TGen) in Phoenix, Kim also leads the institute's BioComputing Unit in the Computational Biology Division.

Kim has been working with the TGen-based team in a study of lung cancer, in which researchers are using microRNA - which control gene expression - as well as microRNAs – small molecules that regulate gene expression in cells – to help understand and predict how malignant lung cancer often spreads to the brain. The results promise to provide a new tool that will help physicians to provide more effective care for lung cancer patients.

The research paper on the project was chosen for the conference’s top prize from among more than 230 scientific papers submitted.

The study is being funded in part by a grant from the Translational Genomics Science Foundation Arizona and the National Institutes of Health.

For more information, visit the website [http://www.tgen.org/news/index.cfm/newsid=1730].

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Research looks at water, energy impacts of climate change

By Nick Gerbis

Climate projections for the next 50 to 100 years forecast increasingly frequent severe droughts and heat waves across the American Southwest, according to a new study. The results will add elements to the early warning system in place that monitors and warns about potential drought conditions.

Clayton Sampson, Assistant Professor of Civil, Construction and Environmental Engineering, can be reached at (480) 965-6991 or sauffret@asu.edu.

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ASU celebrates Martin Luther King Jr. legacy Jan. 19

By Sarah Affrett

ASU will celebrate the ideals of Martin Luther King Jr. on Monday, Jan. 19, with a MLK Day Celebration from 7 a.m. to 3 p.m. at the Tempe campus and 11 a.m. at the Polytechnic campus, in the Cooley Ballroom of the ASU Student Union.

ASU students will kick off the celebration with a Day of Service on Jan. 18 and will stage a rally on the Tempe campus the following day. This is the 25th year for ASU to commemorate the civil rights leader with special events and a statewide postcard campaign for schoolchildren.

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Eugene Grigsby Jr. will receive ASU’s 2010 Martin Luther King Jr. Servant-Leadership Award.

Eugene Grigsby Jr., artist, educator, author and community leader will receive the MLK award for his work to inspire and uplift African Americans and others with his art and his service to the community. As a high school teacher, and later a professor of art at ASU, Grigsby Jr. integrated his contributions to education, organizing exhibitions and also working with children’s organizations and human resource centers. Ten years ago he received an award from the Congressional Black Caucus in Washington, D.C., for his distinguished contributions.

Now, he still is active in the community. Dominick Hernandez, a senior in business administration, is one of two students who will receive the MLK Student Servant Leadership Award. After five years in the business world, he enrolled at the Polytechnic campus almost two years ago and quickly became a leader. He organized the MLK Chili Night, helped found a student group for sustainability, co-founded a leadership and success scholarship and became director of the University’s Arizona Student Access Center at ASU.

Offices and classrooms on the four ASU campuses will be closed Jan. 18 to observe the Martin Luther King Jr. holiday.

To request an invitation to the breakfast, contact the ASU Office of Special Events at events@asu.edu. More information on events is available online at www.asu.edu/mlk. Additional information, with Media Relations, can be reached at (480) 965-6991 or sauffret@asu.edu.

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"I would have been thinking in terms of my own job only if I hadn't been asked to see things from a broader view and step out of my comfort zone into my internship duties," she said.

Currently an assistant principal in the Roosevelt School District, Pagán says the idea has merit. "If I was given a chance to do it over, I would certainly include landing and looking at some of these potential snow deposits," Christensen says. "New Scientist, Dec. 7.

Snow on Mars could have the potential to harbor life, according to a study by associate professor of life sciences Gov Amodaj and colleagues in Norway. The scientists found that brood pheromone, produced and released by young larval bees, decreases longevity of adult bees in the colony. The pheromone induces the depletion of the protein vitellogenin from storage in adult bees' fat bodies and shifts of adults' energy stores toward production for the brood. "Just one little snip can change your life," Amodaj says. "New Scientist, Dec. 2.

A Dallas private equity firm co-founded by Robert A. Schiller, a fellow at Tenebrosus, has acquired two faith-based media companies. The Phoenix-based company that brood pheromone, produced and released by young larval bees, decreases longevity of adult bees in the colony. The pheromone induces the depletion of the protein vitellogenin from storage in adults' fat bod-

ASU's Eduardo Obregón Pagán, second from right, has been signed as a permanent co-host for the popular PBS series "History Detectives."

"At the same time, I've wondered what it was like for the citizens of the capital city during these events, and if it means anything that the San Pedro River has been a muddy and very harsh place to live in." At ASU's West campus, Pagán teaches "History of the Americas" and "History of Western Europe." He received his bachelor's degree from ASU and a master's from the University of Arizona before obtaining his Ph.D. from Princeton University in American history. Before returning to ASU, Pagán served as an assistant dean of students at Princeton, a faculty member at Williams College and as a senior program officer at the National Endowment for the Humanities in Washington, D.C.

As he considers the history he teaches and investigates, he has his favorite events – history he would like to have witnessed firsthand.

"If I had to pick an event, it would probably be the fall of Tenochtitlán, the capital of the Aztec Empire," he says. "Christopher Columbus first entered the Aztec city in 1519. It was like for the citizens of the capital city during these events, and if it means anything that the San Pedro River has been a muddy and very harsh place to live in." At ASU's West campus, Pagán teaches "History of the Americas" and "History of Western Europe." He received his bachelor's degree from ASU and a master's from the University of Arizona before obtaining his Ph.D. from Princeton University in American history. Before returning to ASU, Pagán served as an assistant dean of students at Princeton, a faculty member at Williams College and as a senior program officer at the National Endowment for the Humanities in Washington, D.C.

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By Diane Boudreau

What comes to mind when you think of the word “science”? Conrad Storad asks children this question in every school group he visits.

“Boring!” “Useless!” “Too hard!” “Something to do in college!”

Storad, a 24-year-old writer at Arizona State University, has made it his mission to show how cool science can be, which is why he helped create Chain Reaction.

The free, online magazine is written and designed for young readers in grades 4-8. It is published through ASU’s Office of the Vice President for Research and Economic Affairs. Each edition of the magazine contains free, reading material, it invites real scientists and real research projects happening at ASU.

Storad has spent several years of publication, Chain Reaction has a new home on the Web: www.chainreactionkids.org.

“Without a doubt, the new Web presence is a huge win for the students and other ASU resources that are available free for teachers, students and their parents,” Storad says. “Now, the Web will grow in tandem with print. We have a publication of this type written and designed specifically for young readers.”

With the Web presence in hand, Chain Reaction can reach kids around the world who just read about other people’s explorations! Young minds can satisfy their curiosity about the real world – useful, bizarre, awe-inspiring and fun. But it is definitely not boring. Storad asks children this question when he speaks to children in the region.

“What does one learn from composing a seven-word memoir? That was the challenge issued by the Department of English at ASU as part of a day-long celebration of the National Day on Writing last month.

The department hosted several events during the day, including an open house, a poetry reading and several writing workshops via e-mail, or stop by the English Department Program office to pen their contributions. The participants were free to use as many words as they wanted – usually six words – was a wildly used exercise, both in writing classes and for fun and enjoyment. It was a project of the English Department and coordinator of ASU’s National Day on Writing activities. In 2008 story about six-word memoirs, National Public Radio noted that, according to legend, novelist Ernest Hemingway was asked to write a short story in six words and he came up with this sentence: “For Sale: baby shoes, never worn.”

“I think there’s the puzzle-solving learning – can I choose seven words that make sense, given these formal constraints?” Tsuich said. “I have a dear friend – the excellent poet Heather McGough, who just won one of the MacArthur genius awards – and I consulted her about it. I was hopeful she’d find some wonderful obscure poetic form, but we ended up talking about tiny poems that are a distillation of thought, that capture just a breath, or even the space between breaths.

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Economic forecasts for 2010 reveal persisting downturn for state economy

By Matt Crum

“McPheters said Arizona lost more than 240,000 jobs over the past two years. He expects the state to lose another 100,000 jobs next year. Arizona was officially the worst state in the nation for job growth between October 2008 and October 2009, with an unemployment rate of 9.3 percent this October. McPheters, who also is the editor of the Arizona and Western Blue Chip Business Economic Forecast publications, does not expect to see the state return to 2007 job levels until 2013.”

Don’t ignore your emotions at work, Waldron says

By Debbie Freeman

“Waldron says: ‘But the people engaged in these deals were disconnected from the risk because they were high-powered executives on top, and so it was easier for them to be emotionally disconnected as well.’”

“Emotions are a kind of moral barometer in the workplace,” Waldron says. ‘Their suppression can sometimes dull the moral sensibilities of those who lead them. At the same time, employees must show discernment in expressing intense emotions. Coworkers don’t want to be the targets for emotional tirades. The ways in which employees do or do not express emotions is usually part of an organizational culture that comes from the top. Waldron says: ‘Powerful people within organizations have special responsibility to engage in responsible emotional behavior,’ says Waldron, who wrote the chapter ‘Emotional Tyrants at Work: Supressing the Moral Emotions’ in a newly published book, ‘The Destructive Side of Organizational Communication.’

In the chapter, Waldron defines the term ‘emotional tyranny’ as the use of emotion by powerful members of an organization in a manner that is destructive, intimidating, unfair or cruel. He discusses tactics used by emotional tyrants, including intimidation, ridicule, emotional blackmail, threatening (the use of emotion to wear down resistance), undermining (the emotional experience of others), and simply vanquishing emotions from the workplace.

Waldron says, ‘We should experience feelings like fear, guilt and anxiety when engaging in risky behavior, but they can also consume their whole lives,’ Waldron says. ‘If you feel you’re being overruled with negativity, it’s time to find ways to have more positive emotional experiences and regain the emotional balance in your life.’

‘For many reasons, it’s in the best interest of employers to cultivate a healthy emotional environment, according to Waldron. Aside from productivity issues, workers who feel emotionally abused may engage in sabotage against their employer or, in extreme cases, commit acts of violence. Waldbon recently completed a book with New York colleague J. Kassnig that examined the role of emotional experience in the workplace. Kassnig and Waldron explored how people deal with issues relating to expressing dissent, emotional abuse and negative feedback. They also discuss how emotional experience is transmitted among coworkers, organizational romance and workplace bullying. The book, ‘Managing Risk: Communication Encounters,’ will be published by Sage in February 2010. Waldron will publish another book, “Communicating Emotion at Work” (Policy Press), in August 2010.

Waldron, who earned his doctorate at Ohio State University, has taught at ASU’s West campus since 1993. He is chair of the ‘Annual Communication Encounters,’ an academicjournals, including the Journal of Applied Communication Research.

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Zatz honored with lifetime, academic career award

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Zatz honored with lifetime, academic career award

By Nancy Newcomer

Marjorie S. Zatz, a professor and director of justice and social inquiry in the School of Social Transformation at Arizona State University, has been awarded the 2009 Lifetime Achievement Award by the American Society of Criminology’s Division on People of Color and Crime at their annual meeting in Philadelphia last month.

The award recognizes an individual who has a record of sustained and significant contributions in three areas: research on people of color and crime and the field of criminal justice; teaching and/or mentoring scholars in this field; and service to the division, including membership in the council’s Board of Earth Sciences and Resources (BESR).

Professor’s role in civil engineering leadership expands

By Joe Kullman

Edward Kavazanjian has been elected a Fellow of the American Society of Civil Engineers (ASCE) and became president of the Society of Civil Engineers (ASCE) and became president of the ASCE is the oldest engineering society in the nation and represents almost 150,000 members worldwide. Kavazanjian is a professor of civil and environmental engineering, and director of the Geo-Institute, which is part of the Ira A. Fulton Schools of Engineering at Arizona State University. Kavazanjian is an associate professor in the School of Sustainable Engineering and the Environment, a part of the Ira A. Fulton Colleges of Engineering and of Engineering and the Environment, in the School of Social Transformation.

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Events are free, unless otherwise noted. Items in the “Exhibitions” section run at exhibit opening and on the first of each month only. Building ab- breviations are listed according to the official ASU phone directory. Send information to Judith Smith at jsmitasu.edu or fax (480) 965-2159. For infor- mation about ASU events, visit the Web site at http://events.asu.edu.

Miscellaneous

Thursday, Dec. 17


ASU Retirees Association Holiday Potluck, 11:30 a.m.-1:30 p.m., Community Services Building room 330, 330 E. Curry Road, Tempe. Bring a hot or cold main dish, salad, or dessert. No registration required. Information: atureasu.edu.

Friday, Dec. 18


Tuesday, Dec. 29

“Annie,” 7:30 p.m., ASU. This musical, with songs such as “Tomorrow,” is about never giving up hope. Performance times: 7:30 p.m. Tues.-Fri., 2 and 7:30 p.m. Sat.; 2 and 7 p.m. Sun., through Jan. 3.*

EMPLOYMENT

All applications will be accepted in a sealed envelope. Mail cover for each position is indi- cated by the “#” sign. ASU is an equal opportunity/affirmative action employer.

ASU POSITIONS

Positions listed in the Employment section are current as of Dec. 8 and subject to change. For more information about a position, visit the Human Resources web page http://careers.asu.edu.

DOWNTOWN PHOENIX CAMPUSES

Research Specialist #23508 (O) – College of Nursing (Dec. 16).
Research Technician #23423 (O) – College of Nursing (Dec. 16).

POTENTIAL CAMPUSES

Administrative Assistant #23455 (O) – Arts & Humanities (Dec. 16).

ACADEMIC POSITIONS

Asst/Assoc/Full Professor #9450 – AYA, Fulton School of Engineering (Dec. 16).
Assistant/Associate/Full Professor #9452 – AYA, Fulton School of Engineering (Dec. 16).
Assistant/Associate/Full Professor #9451 – AYA, Fulton School of Engineering (Dec. 16).
Assistant/Associate/Full Professor #9453 – AYA, Fulton School of Engineering (Dec. 16).

DOWNTOWN PHOENIX CAMPUSES

Faculty Clinical Assistant/Assistant/Associate Professor #9466 – College of Nursing & Health Innovation (Dec. 16).

POTENTIAL CAMPUSES

Faculty Assistant Professor #9475 – Nursing and Health Innovation (Dec. 16).

ASU ART MUSEUMS

Exhibits

ASU Art Museum, Phoenix Fine Arts Center—Regular hours: 11 a.m.-5 p.m. Mon.-Fri., 11 a.m.-7 p.m. Sat.-Sun., through Jan. 3. **

Through Jan. 9, “Jillian McDonald: Alone together in the Desert” presents the work of three artists who live in Phoenix and have explored definitions of sustainability in their multi-media artworks—Julie Anand, Richard Lerman and Carrie Marill. Their approaches range from photography to sound sculpture and gouache paintings. Anand’s Material Histories are based on her walks around the valley, as she moves through the city’s neighborhoods and collects lost and discarded items along the way. Her brilliantly hued photo- graphs present the found objects like specimens and begin to tell stories of the people who have traveled along the same path—their habits, their foibles and preoccupations. Lerman is a well-known sound artist who creates speakers and instruments from found objects and found sounds. Marill’s work often explores the inevitable trade-offs in co-inhabitation with the land, and how even green systems and solutions impact our environment. Marill’s “Visual Aides” is a series of gouache paintings that represent envi- ronmental problems and solutions brought on and devised by humans. The series was inspired by candy-colored class- roomly posters from the 1940s, found by the artist at a flea market in France that depict different domestic, agricultural, industrial and maritime landscapes. She reprints the images on watercolor paper and collage them with current events and objects, like recycling bins in a bucolic farming yard and a cargo ship with a parasail in the busy harbor scene. Through December, “Political Fly: Recycled Evaporative Cooling Shade Structures.” Architecture faculty member Jennifer Griffiths and design students create innovative shade structures for the ASU Art Museum’s sculpture courts. Using recycled materials, specifically old political posters, they have built a grid of structures that will provide shade, respond to the existing architecture and inject color and whimsy into the environment. On the other side of the building, the courts currently are inhabited by visitors for art due to the low ceiling and climate, the existing materials lack shade, even in the winter, can be uncomfortable for prolonged visits. The new structures promise to positively affect the visitors experiencing the space in manifold ways. Social and educational events will take place in the court during this time frame to test the new environment created by the structures.

Through Jan. 30, “Defining Sustainability: From the ASU Art Museum Collection.” “30: An Appropriation: The Herberger Institute for Design and the Arts and the School of Sustainability workshop facilitated by curators and faculty to explore art and sustainabil- ity issues raised by artists from the ASU Art Museum’s permanent collection. The exhibition will include historic works, like the 1992 acrylic on canvas paintings by painter who painted classic American landscapes with encroach-

Events and Performances

*Tickets are available at Herberger College of Fine Arts Box Office, Phoenix, (480) 965-4034.

#23349 (O) – Ira A. Fulton School of Engineering (Dec. 16).

#23399 (O) – Campus Recreation (Dec. 16).

#23559 (O) – Office of Academic Programs (Dec. 16).

Assistant/Associate/Full Professor #9462 – College of Liberal Arts & Sciences-School of International Letters and Cultu- res (Dec. 16).

Assistant/Associate/Full Professor #9463 – Fulton Institute and graduate School of Education-Division of Advanced Studies for Education Policy, Leadership and Curriculum (Jan. 15; if not filled, then every two weeks thereafter until the search is closed).

Assistant/Associate/Full Professor #9461 – Technology and Innovation (Dec. 18).

Assistant/Associate/Full Professor #9460 – College of Law & School of Sustainability (Jan. 15; if not filled, then every two weeks thereafter until the search is closed).

Assistant/Associate/Full Professor #9459 – Technology and Innovation (Dec. 18).

Assistant/Associate/Full Professor #9458 – College of Liberal Arts & Sciences-Interdisciplinary Studies (Jan. 15; if not filled, then every two weeks thereafter until the search is closed).

Assistant/Associate/Full Professor #9457 – College of Liberal Arts & Sciences-Interdisciplinary Studies (Jan. 15; if not filled, then every two weeks thereafter until the search is closed).

Assistant/Associate/Full Professor #9456 – Technology and Innovation (Dec. 18).

Assistant/Associate/Full Professor #9455 – Technology and Innovation (Dec. 18).

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CLINICAL CAMPUSES

Clinical Assistant/Associate Professor #9453 – College of Medicine (Dec. 16).
Assistant/Associate/Full Professor #9452 – College of Medicine (Dec. 16).
Assistant/Associate/Full Professor #9451 – College of Medicine (Dec. 16).
Assistant/Associate/Full Professor #9450 – College of Medicine (Dec. 16).

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By Sarah Auffret

More than 5,000 Arizona State University students will take home a holiday present they worked hard to earn, as they collect their degrees at ASU’s commencement Dec. 17. The ceremony will take place at 9 a.m., in Wells Fargo Arena on the Tempe campus. Graduates from all campuses will include about 540 engineers, 1,200 business students, 740 teachers and school administrators, and almost 1,500 students in liberal arts and sciences. Top under-graduate majors in the College of Liberal Arts and Sciences are communication, political science, biological sciences and English.

Individual colleges and schools also will have their own smaller convocation ceremonies, spread out over Dec. 17-18. Among the graduates will be Chris Armenta, who is graduating cumma cum laude in social work though he became legally blind from a rare and untreatable eye disease at 21. He didn’t think he’d ever be able to see how we can get you to where you want to be.”

“Chris is one of the best students I’ve ever had in research,” says professor Layne Stromwall. “He’s especially good at conceptualiza- tion and discussion of research topics.” While at ASU, Armenta suffered another decrease in visual acuity. But he said he has come too far now to let that get him down. He draws inspiration from the strength-based perspective that he learned through his studies in social work. “In social work, we say: ‘This is where I want to be running a household, raising your first child at 18 and being a full-time student is hard work. With the help of her advisor, Sue Muelder, and her teachers she was able to attain a sense of balance in her busy life. She says the one-on-one attention from professors helped her in her classes and maintain a 3.25 GPA. Along the way she got married and had a second child. “One of the best things about the Construction School is how small it is,” she says. “The size doesn’t allow you to get lost among the masses.”

Upon graduation Gilliland will start working for Numan S. Wright Co. Manufacturer’s Representative. In the long run her plans are to one day co-own a business with her husband of three years. Her advice for those in similar situations is to never doubt yourself or believe you cannot do something. Gilliland adds that getting to know your professors and administration is also an “irreplaceable experience.”

“My college experience happened because of the support I received from the Construction School,” she says. “I have no doubt that if I hadn’t had the full backing of the school, I would not be graduating at all, let alone doing it this month.”

Karaczan, with Media Relations, can be reached at natalia.karaczan@asu.edu.
First class to graduate from one-of-a-kind education program

By Steve Des Georges

Twenty-one students from Arizona State University’s College of Teacher Education (CTEL) will graduate this month with master’s degrees – the first cohort in the school’s one-of-a-kind high school leadership program.

Directed by Marsha Speck, a clinical professor of education administration, the program is the only one of its kind in Arizona and one of just a few nationwide. The two-year coursework features 36 credit hours for a master’s in high school leadership and Arizona Principal Certification, and it focuses on the partnership created by Speck with six local school districts. Graduating students of the program are currently working as teachers in Valley high schools.

“This is very rewarding to see our students graduating and now in a position to take leadership skills to a higher level in their careers,” says Speck, who joined the ASU faculty from San Jose State University where she developed the Urban High School Leadership program. “Arizona has one of the highest concentrations of high school drop-outs in the country, so we need to produce the next generation of leaders who can focus knowledgeably on the issues – discipline, curriculum, classroom instruction, assessment and more.

“The program is important because the issues in our high schools are very different from those in elementary schools, and the program will help the districts and the region grow their own leaders. Through these remarkable graduates we are meeting the needs for exceptional leaders to lead complex high school reform. The program also addresses the emerging shortage of teacher leaders, assistant principals and school principals.”

The partner districts included in the Master of Education program are Deer Valley Unified School District, Buckeye Union High School District, Paradise Valley Unified School District, Peoria Unified School District, Peoria West-MEC (Western Maricopa Education Cooperation), and North Phoenix Unified School District. The program focuses on career and technical education programs. Principals of each of the schools endorsed their teachers’ participation in the program and met regularly with Speck to monitor the progress of the program.

“The program empowers leadership in a variety of roles within a school system,” says Beverly Hurley, who earned her education doctoral degree from Northern Arizona University and is now superintendent of the Buckeye Union High School District. In her year-long mentorship program, she was a mentor to Speck. “We will have four graduates from this district alone who will be very prepared to enter education administration. They have acquired knowledge of and practice with leading the change process and thorough action-planning for achieving goals and maximizing overall school success for staff, students and the community as whole.”

Nick Graziot is one of the students preparing to receive a master’s degree in high school education at Wells Fargo Arena.

“The Chicago native came to Arizona after graduating with his master’s degree Dec. 17 at ASU’s Wells Fargo Arena. He is the type of student who made possible determination and hard work. Seven years later she is graduating from the W. P. Carey School of Business with a degree in finance and a 4.0 GPA. Now 28, she has taken classes at night while working full time, first as a retail manager at EyeMasters and then as a personal banker at Wells Fargo. Rountree says she’s fortunate that she was able to come to the United States to study, but it seemed impossible, especially after the economic crash that led to the fall of communism.

She studied English in high school and college, and when the opportunity for graduate school arose, she chose the Fulbright Scholar who received her doctorate from the University of the Pacific. “Most leadership prep is done in isolation. This program is offered with the full support, cooperation and engagement of current leaders. It provides an excellent laboratory for real-world problem-solving that will prepare teachers for leadership roles in a very effective way.”

Des Georges, with Public Affairs at the West campus, can be reached at (602) 543-5220 or steve.desgeorges@asu.edu.
Business student achieves success despite uphill climb

By Sarah Auffret

From the outside, Melissa Limpetch may appear to have it all – she’s bright, with a positive personality and a streak of strong determination that has led her to become a leader in her sorority and an outstanding student in the W. P. Carey School of Business. But the 22-year-old has had an uphill battle to graduate, and she faced this challenge, resuming her studies in January at ASU, while caring for her younger brother, who was 15 when she joined him to live in Arizona.

Melissa Limpetch, at the age of 15, was able to start college.

The two had a turbulent home life, with a father in the military and a mother who wasn’t around much. After graduating from high school, Limpetch says she didn’t know much about college, but “I knew I wanted a different life.” So she came to Arizona, got two jobs and moved to an apartment, enrolling in 15 hours of classes. In her job with T-Mobile she discovered a talent for customer relations, and in her freshman year she was the top part-time sales representative in the western region of the United States, winning a trip to New York to meet the company president. She continued working for the company with a full load of classes. Limpetch says, “A full-fledged career seems like a silly thing to be caring for your younger brother, who was 15 when he joined him to live in Arizona.”

ASU Young entrepreneurs match college students with small businesses

Young CEO entrepreneur matches college students with small businesses

By Sarah Auffret

Sean Coleman has been an entrepreneur since he was a child, hiring out to do woodwork for projects for family members and even outsourcing his chores to his sister and friends for a fraction of what he would be paid. By the time he was in high school he had taught himself graphic design and was successfully advertising his services on eBay.

ASU, Coleman is now the CEO of his own company, OrangeSlyce.com, an online service that matches college students with small businesses that have free time or short-term work they need done. The Barrett Honors College student will graduate Dec. 17 with a degree in computer systems engineering and a dream of continuing to form new businesses.

By Matt Crum

Robert Weiss-Malik is launching a new career at age 60, after a successful 28-year retail career at Desert Vista High School in the Tempe Union High School District. He is now the 19-year-old is doing well, enrolled in a justice studies major in tourism development and management and a master’s in poverty research of poverty in developing countries.

ASU connection grows for teaching grad

By Matt Crum

Robert Weiss-Malik is launching a new career at age 60, after a successful 28-year retail career at Desert Vista High School in the Tempe Union High School District. He is now an event planner for an energy drink company.

Younger.

By Corey Schubert

Nichole Hugo, one of the first students to take advantage of an accelerated graduate degree program in education, has been ASU’s most difficult student. The 19-year-old is doing well, enrolled in a justice studies major in tourism development and management and a master’s in poverty research of poverty in developing countries.

By Sarah Auffret

ASU graduate faced challenges boldly, wasted no time

By Michele St. George

The road to a doctoral degree has been a challenging one, but rewarding journey for Laura Gonzales-Macias, the first in her family to reach this milestone. She has employed full-time and more recently part-time, attended ASU as a part-time student, received her master’s degree in 2008 and will receive her doctorate in educational psychology Dec. 17. While attending school and working, she has raised two children with her husband George, who has been extremely supportive of her educational goals.

Gonzales-Macias’ research specialization is in school psychology and her dissertation topic is Consequences of Asthma in Elementary School Students.

ASU Insight

December 11, 2009

Business student achieves success despite uphill climb

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One thing he has learned is that $2,000 doesn’t go nearly as far as he thought. Coleman has had to seek out other funding and dip into his savings to keep OrangeSlyce open for business.

Auffret, with Media Relations, can be reached at (480) 965-6991 or sauffret@asu.edu.
Law professors build first global nanotech regulation database
(Continued from page 1)

"We need to learn how countries can and do respond to in-
novations like these."

The center was as-
sisted by the Centre of
Regulatory Studies at
Monash University, the
Law School in Australia and
the Institute of Envi-
ronmental Energy
Law at K.U. Leuven in
Belgium.

Diana Bowman, a
senior research fellow
in the Monash Centre,
said the archive is a much-needed resource
that will become a hub for those interested
in exploring transdisciplinary debates on
understanding nanotechnology policy and
regulatory developments.

"This archive will
allow the user quickly
to find the trees of
the debate, and subse-
sequently dig for the
seeds that will give you the forest for the
trees – a tour de force, and one that is
tremendously valuable," said Van Calster.

In the database, each entry provides
direct links and/ or an attached copy
of a specific document, an abstract of that
document prepared for the database, and
 pointers to other pertinent information including
common questions and issues.

Documents in the database
 can be accessed by
clicking on a map or
a selection, nation or
country.

"The Web site is in
development continues
to be edited wiki, and we
urge users from around the globe to edit,
add, delete and comment on the Web site,
"Van Calster said.

"It's a great tool, but it will require users to
keep it up-to-date."

Mugandh, with the Sandia Day O'Connor-
Fellowship, can be reached at (480) 727-9052 or
mugandh@sandia.edu.

Teaching as an opportunity to
Teaching as an opportunity to
Teaching as an opportunity to
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Teaching as an opportunity to

Entrepreneurship at ASU: paving the way for success in the arts
By Samantha Leigh Miller
What does DJ scratching software, a film festival, and a guidebook to the downtown Phoenix art scene have in common? They are all fall 2009 recipients of ASU's Performing Arts Venture Fund (p.a.v.e.), a $25,000 seed grant that supports innovation and creativity. The grants, made possible by the Kaufman Campus Initiative, include a mentor component and are designed to help student artists undertake new creative efforts that will be available in a variety of ways to the public.

"Our goal is to support artists in sus-
tainable arts-based ventures that will advance
their individual disciplines and enrich the cultural
capacity of the Valley," said Linda Essig, direc-
tor of ASU's Herberger Institute of Theater and Film.

Together, several students and groups of students have been recognized by the fund in the last year, and 10 were awarded grants this fall. The two programs currently in the works, Arts Entrepreneur and Dance and Health Together Awards (DAHT), are designed to support the personal and professional growth of artists while engaging others in an arts-based conversation.

Arts Entrepreneur is an opportunity for students to create, produce and market arts-based initiatives as entrepreneurial ventures. The program encourages students to "test the waters" before moving on to larger-scale projects.

"Arts Entrepreneur is a great opportunity for students to look at things differently and to take that entrepreneurial leap," said Paradise Valley senior Sean McCurley, who is working on "The Lair," a performance project that will be presented at the 2010 spring semester ASU artwalk. McCurley said he is planning an "interactive" presentation featuring music, dance performances and a sculpture created by an ASU fine arts student.

The DAHT Awards is an annual competition that awards up to $2,000 to student groups that develop projects in dance and health. The winners of DDS' first DAHT Awards competition are "The Gathering," a performance that will be presented Jan. 29-30 at the Maricopa County Community College Performing Arts Center.

"This archive will
to find the trees of
the debate, and subse-
sequently dig for the
seeds that will give you the forest for the
trees – a tour de force, and one that is
tremendously valuable," said Van Calster.

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Entrepreneurship at ASU: paving the way for success in the arts
By Samantha Leigh Miller
What does DJ scratching software, a film festival, and a guidebook to the downtown Phoenix art scene have in common? They are all fall 2009 recipients of ASU's Performing Arts Venture Fund (p.a.v.e.), a $25,000 seed grant that supports innovation and creativity. The grants, made possible by the Kaufman Campus Initiative, include a mentor component and are designed to help student artists undertake new creative efforts that will be available in a variety of ways to the public.

"Our goal is to support artists in sus-
tainable arts-based ventures that will advance
their individual disciplines and enrich the cultural
capacity of the Valley," said Linda Essig, direc-
tor of ASU's Herberger Institute of Theater and Film.

Together, several students and groups of students have been recognized by the fund in the last year, and 10 were awarded grants this fall. The two programs currently in the works, Arts Entrepreneur and Dance and Health Together Awards (DAHT), are designed to support the personal and professional growth of artists while engaging others in an arts-based conversation.

Arts Entrepreneur is an opportunity for students to create, produce and market arts-based initiatives as entrepreneurial ventures. The program encourages students to "test the waters" before moving on to larger-scale projects.

"Arts Entrepreneur is a great opportunity for students to look at things differently and to take that entrepreneurial leap," said Paradise Valley senior Sean McCurley, who is working on "The Lair," a performance project that will be presented at the 2010 spring semester ASU artwalk. McCurley said he is planning an "interactive" presentation featuring music, dance performances and a sculpture created by an ASU fine arts student.

The DAHT Awards is an annual competition that awards up to $2,000 to student groups that develop projects in dance and health. The winners of DDS' first DAHT Awards competition are "The Gathering," a performance that will be presented Jan. 29-30 at the Maricopa County Community College Performing Arts Center.

"This archive will
to find the trees of
the debate, and subse-
sequently dig for the
seeds that will give you the forest for the
trees – a tour de force, and one that is
tremendously valuable," said Van Calster.

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Sankey’s leadership, contributions earn him Regents’ distinction

(Continued from page 1)

“...for a kid, that was pretty cool because how else could you make a breeze, you couldn’t attach a rudder. I just remember being amazed, because math actually meant something.”

A forward-looking Sankey and still doing cool things, as one of ASU’s newest Regents’ Professors, a prestigious distinction given to Arizona university faculty members who have made significant and pioneering contributions to scholarship, research and other creative activity.

Now, in biophysics, a field he entered in 1979, physics coming since ASU in 1982, has a reputation for exploring trendy teaching methods, and combining lecture with demonstrations — often visual and sometimes loud.

“Physics is a natural place to do demonstration, because it involves objects that you can hold in your hand; you have forces of gravity, which are easy things to demonstrate. They’re macroscopic,” he says.

Newton’s third law of motion for every action there is an equal and opposite reaction, he says that Sankey likes to demonstrate in physical science classes. While holding a fire extinguisher, he strides a little cart on wheels and releases a burst of compressed gas. “As the gas is quickly released forward, he gets pushed backward.”

“I think this gets out there and this is big breeze, and it is very loud,” he says.

His techniques have won him praise. The ASU Physics Department recognized Sankey in 2002 with its outstanding teaching award. In 1996, the ASU Society of Physics Students recognized Sankey’s enthusiasm in teaching and ability to present complex topics in a kind of style with its Golden Opus Award, presented for excellence in teaching.

“Professor Sankey has been a leading researcher at ASU for over 25 years. During this time he has made groundbreaking research contributions, obtained a reputation as a creative and outstanding teacher, guided numerous graduate students, and made an impact within the ASU Physics Department, the college and the university,” says Robert Nemanich, chair of the department in the College of Liberal Arts and Sciences. Sankey’s leadership, contributions earn him Regents’ distinction

Lindsay honored with Regents’ award for leading research, teaching

(Continued from page 1)

Lindsay, a theoretical physicist of international acclaim, Sankey likes to bring practical things that are measured in laboratories and that have some utility.

“I have actually changed research topics several times over my career, and there is somewhat of a big change going on right now,” he says. “My background was condensed matter. Now what I am using is condensed matter ideas on biological kinds of problems.”

One problem is the interactions of laser light with viruses, pathogenic kinds of viruses.

They are real nasty things. They’re just little sorts of balls of protein. I’m working with Frank (Kong-Thon) Tson, who is also in physics. He is doing the experiments and I am doing the theoretical work. We’re trying to understand how lasers can interact with these viral pathogenic particles and effectively destroy them or at least hurt them so that they are not infectious,” he explains. The applications they have in mind is for things like blood, outside the body, purifying the blood with short pulses of laser light.

The second project is with Regents’ Professor Stuart Lindsay Woodbury, the deputy director of the Biodesign Institute. “While many professors try to simply communicate their research to the public, the Biodesign Institute makes the research accessible to the public. The audience we are talking to is a broad one,” says Lindsay. “We use a number of different representations – one of the most important of which is the ‘epigenetic code’ will contribute to a better understanding of cancer.”

Lindsay’s versatility and scientific creativity have earned him not only numerous awards and accolades (including this year’s Regents’ professorship, the highest honor bestowed on research faculty), but the admiration of his many colleagues, collaborators and students. “One of the things that really made a difference to me,” says Pro- fessor Stuart Lindsay’s career is the absolute syn- ergy between education and research,” says Neal Sankey, a professor at the Bodega Institute. “While many professors try to simply balance the two activities, Stuart weaves one into the other, creating new representations of molecular electronic parameters while explaining the outcomes of studies on his laboratory rat that is being used as a model of cancer, Stuart is it.”

“What defines Stuart’s approach to science is passion,” says two decades of his research, says Otto Sankey, the associate director of the Center for Biological Physics. “He is fascinated by its mys- teries, leaves no stone unturned in his pursuit, and is satisfied only with finding truth.”

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Gold rush comes to life in newly published diary

By Judith Smith

The California gold rush began with a whimper— or whisper— of gold and ended in a bang. On a boat for many gold-seekers who sailed the California coast from 1848 to 1855 in search of wealth.

Hundreds of thousands of forty-niners from California and from all over the United States and abroad, and each had a story to tell. Some historians say that the gold rush was one of the two most documented events in American history.

That we know that much and more about Golding is due to the curiosity and efforts of Patricia Etter, who retired in 2006 as head of the Special Collections at the Arizona State University Indian Data Center in Hayden Library.

Ironically, part of Etter's information about Goulding came from her own family. Etter, who read an Anglou story about Arter's retirement and contacted her via e-mail.

Etter, a bit of an enthusiast— one who likes to follow the original wagon trails that set out and the 49ers used to cross West— and schooled an Anglou with an Anglou who she was doing research for her first book about the Southern route to the West.

When those books were completed, and she was ready for a new project, she turned to Golding's untold story. Her book, notating and illustrating presentation of the explorer reached San Francisco after a taxing journey of six months riding in wagons and on horseback— with the last wave of 1849 miners and adventurers had point, plenty of miners and adventurers had reached a frontier "luxury." She then travelled to California to follow the original wagon trails that set out and the 49ers used to cross West— and studied a history of the trail.

"The journal is fascinating reading, with Goulding's diary coming across as a first-person account of the explorer's life and adventures. The journal is a valuable resource for historians and others interested in the gold rush. It's just overwhealing and hard to assimilate," says Fuchs about the praise the book has received. "I am just delighted. Now that my book is complete, I can contact the American Historical Association for the best work in English on any aspect of French history."

"Contested Paternity," which was published in June 2008, is also the recipient of the 2009 Francis Richardson-Keller-Serra Prize from the Western Association of Women Historians, and the 2009 Charles and Mary Smith Award from the European History and International Relations Conference.

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Fuchs has been a faculty member in ASU’s College of Liberal Arts and Sciences since 1983. From 2005-2006 she served as the interim director of ASU’s Institute for Humanities Research. Fuchs, a professor in the New School of Historical, Philosophical and Religious Studies at ASU, has taught many courses in French and European history, including "Women in Europe" and "Sex and Society in Modern Europe." She has chaired several doctoral dissertation committees where students studied various aspects of European history, ranging from the role of the church to cultural and gender spaces to women's civil society in modern Europe.

Additional information is the immediate past presi- dent of the Pacific Coast Branch of the American Historical Association and former president of the Society for French Historical Studies.

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