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Business spirit

Each year, the ASU Center for the Advancement of Small Business – part of the W. P. Carey School of Business – presents the prestigious Spirit of Enterprise Awards to Arizona companies that demonstrate ethics, energy and excellence. Now in its ninth year, the awards program is acknowledged as a premier recognition of small, emerging and family businesses.

KAET-TV/Channel 8 will profile the winning business owners and their organizations on the "Spirit of Enterprise," which airs at 7:30 p.m., Oct. 5, and again at 3 p.m., Oct. 9.

The five Arizona businesses receiving the 2005 awards are:

- Changing Hands Bookstore.
- Hogue & Associates.
- MedAire Inc.
- Sitewire Marketplace Solutions.
- Serrano's Mexican Restaurants.

Passport help

With the holiday season looming on the horizon, now is the time for travelers considering an overseas trip to apply for a U.S. passport – and the Passport Acceptance Office within the International Programs Office in the Tempe Center is ready to help.

Standard processing time to receive a passport is about six weeks, so office officials are urging travelers to get their passports now to avoid the last-minute rush.

Students, faculty, staff members and the general public are welcome to visit the Passport Acceptance Office, located at 951 S. Mill Ave., suite B198. The office is open from 9 a.m. – 4 p.m., Monday – Friday.

For more information, call (480) 965-0877, or visit the International Programs Office Web site at (<http://ipo.asu.edu>) or the State Department Web site at (www.travel.state.gov).

Take the bus

On Oct. 5 – 6, the Polytechnic campus/Maricopa Community College (MCC) shuttle bus and the West shuttle bus will offer free rides all day as a promotion to encourage travel reduction efforts between campuses.

According to Skye Leonard, shuttle liaison at the Polytechnic campus, the shuttle is a valuable transportation alternative.

"The shuttles are a great way to avoid high gas prices, parking citations, full parking lots and driving in traffic," Leonard says. "Riding a shuttle bus buys you time to read, do homework, make phone calls or relax without watching the road."

The hope, Leonard says, is that passengers will continue to ride the shuttle.

A discounted booklet of 10 tickets may be purchased for \$15 at the Polytechnic, Tempe and West campus' cashiering services and decal sales, or at the MCC Bookstore. The cash price on the bus is \$2.

For more information, including bus stop locations and schedules, please visit the Web site (www.asu.edu/dps/pts/shuttle).

Quality, size define ASU's freshman class

By Sarah Auffret

The freshman class at ASU this fall is the largest, most accomplished and most diverse in history. A record 8,467 first-time freshmen from all 50 states and 35 countries are enrolled at the university, almost 10 percent higher than last fall and double the number from 1995.

ASU has 155 new National

Merit Scholars, bringing the total number of National Merit Scholars enrolled to 532 and making ASU one of the leading schools in the country in attracting these top-ranked high school graduates.

Nearly three out of every 10 freshmen (28 percent) ranked in the top 10 percent of their high school graduating class. This group of high achievers

is larger than the entire freshman class at Ivy League schools Princeton or Yale.

ASU also attracted 72 National Hispanic Scholars, the most ever. More than 30 percent of freshmen from Arizona are minority students, and a record 26 percent of the total freshman class are ethnic minorities – almost 400 more than last fall.

Setting another record, 10 Flinn Scholars chose ASU. This elite group of high-achieving Arizona students is selected in an extremely competitive process by the Flinn Foundation during their senior year in high school. Arizona freshmen also include 1,566 President's and Provost's Scholars, who are in the top 5 percent of their class.

(See BY on page 7)



SCOTT TROYANOS PHOTO

ASU bursts onto national scene

On the college football stage, no game this weekend will be bigger than No. 15 ASU's sold-out contest with the No. 1-ranked Trojans of Southern California. The marquee matchup at Sun Devil Stadium attracted the attention of sports broadcast giant ESPN, which sent its Gameday Show crew – featuring Chris Fowler, Kirk Herbstreit and Lee Corso – and its GameDay Radio Show to the Tempe campus to cover the action. The GameDay set will be placed at the northeast corner of Rio Salado Drive and Packard Drive in ASU's Lot 59, with Sun Devil Stadium and A Mountain in view right behind the set. For the times of ESPN's broadcasts Sept. 30 and Oct. 1, visit *ASU Insight* online at (www.asu.edu/news). The football game, with a 12:36 p.m. kickoff time Oct. 1, will be televised by ABC Sports.

Color me sexy: Looks play factor in bird mating game

By Skip Derra

If the activity of the North American barn swallow is a clue, then those that are in the market for love need to maintain their appearances.



Kevin McGraw

New research shows that the female North American barn swallow, even after pairing with a male, still comparison shops for sexual partners. Forget about personality; females judge males by their looks, especially the chestnut color of the males' breast and belly feathers, according to a team of researchers that includes a professor from ASU.

In a study featured on the Sept. 30 cover of the journal *Science*, the researchers explain that if the males' brown breast is not as dark as other males in the population, the female is more likely to leave him and copulate with another male. The article, "Dynamic Paternity Allocation as a Function of Male Plumage Color in Barn Swallows," has evolutionary implications and shows how ornamental traits – such as the deep color of a male barn swallow

(See BIRD on page 7)



In a study featured on the Sept. 30 cover of the journal *Science*, ASU researcher Kevin McGraw and a team of his colleagues explain what catches the eye of barn swallows when they are on the lookout for sexual partners. The findings show that appearances play a big role in the mating game.

Biodesign Institute joins fight against 'dirty bombs'

Local entities net \$8.9 million to measure radiation exposure

By Joe Caspermeyer

The Biodesign Institute at ASU and the Translational Genomics Institute (TGen) have been awarded key roles in an effort to provide protection in the event of a radiological terrorist attack.

The National Institute of Allergy and Infectious Diseases, part of the National Institutes of Health (NIH), is funding the establishment of a network of multiple-institution centers for countermeasures to "dirty bombs" or other attacks involving radioactive materials. As collaborators in the project, the Biodesign Institute will garner \$5.9 million and TGen will receive \$3 million in funding over the next five years.

The grant represents the first-ever federal award to include a university-led product development core to measure radiation exposure, also known as biodosimetry. Frederic Zenhausern, director of the Biodesign Institute's Center for Applied NanoBioscience, will lead a team of experts to coordinate all aspects of product development projects and core technologies.

"Monitoring the biological response of civilian and military populations when exposed to low dose-radiation of a 'dirty bomb' or other environmental radioactive threat could significantly improve risk

(See GRANT on page 6)

Renowned scientist focuses discussion on essence of humanity

Biodesign Institute plays host to Charles Pasternak lecture

By Gretchen Dobosz

People have long debated what separates humans from other animal life forms. How different are we, really, and what accounts for these differences? Why is the chimpanzee, which shares 95 percent of our genetic code, an endangered species, while man enjoys tremendous control over world resources? Why has man sought novelty in the structures he inhabits, his modes of transportation, his food and his clothing, while the chimpanzee has not changed its lifestyle over millions of years?

Respected biochemist and author Charles Pasternak brings a highly original viewpoint to the debate. He believes we are unique in our desire to "quest" for things

beyond what is dictated by the basic needs for survival. He argues that traits often pointed to as distinctly human, such as agile hands, can all be found on some level elsewhere in nature. In isolation, therefore, they are not sufficiently unique or influential to explain the differences. Instead, he believes the distinction is in how man has made use of a combination of genetic traits in the service of an unparalleled curiosity.



Charles Pasternak

The Biodesign Institute at ASU will host Pasternak in a public lecture titled "Quest: The Essence of Humanity," based on his popular book. The event takes place at 4 p.m., Oct. 4, in the Armstrong lecture hall

at ASU's School of Law. A book signing will follow the lecture at about 5:30 p.m.

Pasternak will discuss his view of man's unique place in the spectrum of living species, and what makes us human. The book reached the top 10 list of hardback best sellers in the UK, with reviewers praising Pasternak's ability to integrate molecular biology, medicine, anthropology, ecology, history, religion, philosophy and bioethics in a single volume.

Pasternak's own genetic legacy is one of great talent. He is a nephew of author Boris Pasternak, who penned "Doctor Zhivago," and grandson of Leonid Pasternak, the Russian Impressionist painter.

"The Biodesign Institute routinely presents prestigious leaders in the science community to foster the intellectual collaboration among our brilliant researchers, but this is one with extremely wide appeal,"

says George Poste, director of the Institute. "Dr. Pasternak is one of the most eclectic intellects that I have been privileged to encounter."

Pasternak is director of the Oxford International Biomedical Center in the United Kingdom. He is widely known for his research on membranes and cell surface biology, which is a key factor in the understanding of cancer and many infectious diseases.

His previous academic experience has included research and teaching posts at the universities of Oxford, London (St. George's Medical School), Yale and California (UCSD Medical School), and he is a recognized advocate for international scientific collaboration.

Dobosz, with the Biodesign Institute, can be reached at (480) 727-0788 or gretchen.dobosz@asu.edu.

New degree program targets film industry

By Denise Tanguay

ASU is initiating a bachelor's degree program in film, with study concentrations in film and media production, and film and media studies.

This new degree program, which will be fully operational in fall 2006, recognizes a long-standing and clearly articulated need by students and the importance of linking to the West Coast film industry.

The multidisciplinary bachelor's degree in film will be offered by the Herberger College of Fine Arts and the College of Liberal Arts and Sciences. It will include a shared core of classes in each.

There will be two distinctly different concentrations: a film and media studies concentration provided by the College of Liberal Arts and Sciences, which began this fall, and a film and media production concentration provided by the Herberger College Department of Theatre. That program will begin in fall 2006.

The digital revolution and broadening media industry offer significant career opportunities.

The curriculum in both colleges will provide students with the high level of visual literacy necessary to understand and contribute to the media-saturated world in which they live and work.

Interest in developing a film degree program at ASU has been growing over the past few years. The ASU Filmmakers Association, a student film production group on the ASU Tempe campus, has more than 200 members.

To emphasize the importance of the program, Herberger College is proposing that its Department of Theatre be reorganized as the School of Theatre and Film. That proposed change must be adopted by Arizona Board of Regents and is expected to be submitted this fall.

Examples of classes in the film and media production concentration include:

- Principles of Dramatic Analysis.
- Directing for Film.
- Sex and Violence in Film and Television (Ethics in Entertainment).
- Screenwriting and Film Post-Production.

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

Fulton School plays host to global training program

For a week this fall, executives from across the globe traveled to ASU to take part in an executive leadership program through the Ira A. Fulton School of Engineering's Center for Professional Development (CPD).

The 40 executives, who hailed from the United States, China, Singapore, Japan, France, Hungary, Australia, Ireland, Brazil and Mexico, came to ASU to learn – and eventually implement – process innovation methods, tools and strategy focusing on the IBM integrated supply chain.

Faculty from the Department of Industrial Engineering served as instructors for the program, with case study lectures by industry experts representing Wells-Fargo, TRW Automotive, Bank of America, Intel, Freescale, LG Electronics and General Electric.

"This program represents an intensive, results-oriented structure integrating proven methodologies by the faculty complemented with real-time, best practice case studies by ASU corporate partners," says Jeffrey Goss, assistant dean and executive director of the Center for Professional Development. "The program model is representative of how the Fulton School is strategically collaborating with industry to research and put into practice critical tools and methods to succeed in the very competitive global market."

Through the Center for Professional Development, more than 500 executives have participated in global training programs in areas such as process innovation, six sigma, and lean and advanced technology management programs.

Morrison Institute names 3 Community Fellows

By Karen Leland

In its continuing efforts to link community service with applied research, ASU has announced its 2005 – 2006 class of ASU Community Fellows. The selections include:

- Anita Favela Luera, vice president of corporate relations and leadership development for Valle del Sol.
- Pam Gaber, founder and chief executive officer of Gabriel's Angels.
- Kent Paredes Scribner, superintendent of the Isaac School District.

ASU's Morrison Institute for Public Policy created the program, now in its ninth year, to foster partnerships and

learning experiences between local communities and the university. General Dynamics C4 Systems, based in Scottsdale, is the program's corporate partner.

Fellows were selected based upon their ability to raise university awareness of local community issues, create partnership projects to address those issues, and promote links between business, the community and the university.

"The ASU Community Fellows add dimension and unique perspectives to our dialogues about the challenges that communities and residents face daily," says Cathy McKee, senior vice president and director of communication,

customer and community services at General Dynamics C4 Systems, and chair of the Morrison Institute's board of advisers.

The three ASU Community Fellows will spend the academic year guest lecturing in ASU classes; participating in various university and General Dynamics C4 Systems' meetings and forums; and participating in opportunities for faculty, students and business interests to observe and get involved in local neighborhood problem-solving efforts.

Leland, with the Office of Public Programs, can be reached at (480) 965-4525 or karen.leland@asu.edu.

ASU alumna wins national judicial award

By Judith Smith

Louraine Arkfeld, Presiding Judge of the Tempe Municipal Court and ASU College of Law alumna (class of 1977), is this year's recipient of the William H. Rehnquist Award for Judicial Excellence.

The award is given by the National Center for State Courts and is considered one of the nation's highest judicial honors.

The award honors a state court judge "who demonstrates the outstanding qualities of judicial excellence, including integrity, fairness, open-mindedness, knowledge of the law, professional ethics, creativity, sound judgment, intellectual courage and decisiveness." The award, named for the late U.S. Supreme Court chief justice, honors judges who "are taking bold steps to address a variety of issues affecting their communities." Arkfeld will be given the award at a ceremony to be held Oct. 27 in the Great Hall of the U.S. Supreme Court in Washington, D.C.

Under Arkfeld's leadership, Tempe Municipal Court has implemented a number of innovative ideas, including:

- A Mental Health Court to help those who have no home.

- A "one day, one trial" system that reduces the number of days jurors must serve.

- Standardizing jail assessment fees and developing court-specific employee training to improve customer service.

Arkfeld says the award recognizes the important work of her court staff.

"I have an incredible staff and would not be able to do the things I do without their constant support," she says. "One of the areas the award recognizes is the development of new and innovative programs. This is not something that can be done by any one individual alone. For the city, it should not only be recognition of their commitment to excellence, but a final recognition that the court – which was seized by the Supreme Court 11 years ago – is a completely different place and is now a point of pride for them."

Arkfeld was selected from a field of candidates throughout the United States by an award selection committee comprising the heads of various judicial leadership organizations.

Smith, with Marketing & Strategic Communications, can be reached at (480) 965-4821 or jps@asu.edu.

ASU Insight

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Deadlines: Submit all articles, notices and calendar items as early as possible.

Deadline is Friday before 5 p.m. for the following Friday's paper.

Assistant Vice President: **Terri Shafer**
Print Editor/Publisher: **John Jarvis**
Web Editor/Publisher: **Gary Campbell**
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Alliance welcomes Garcia as new director

By Shaun Breese

Rudy Garcia has been appointed director of the ASU/Maricopa County Community College District (MCCCD) Alliance by University College at ASU and the MCCCD.

This is a new position jointly funded by ASU and the Maricopa Community Colleges.

Garcia will report to Gail Hackett, ASU vice provost and dean of University College, and Maria Harper-Marinick, vice chancellor for academic affairs with the Maricopa Community Colleges.

"We have entered a new era of cooperation and collaboration between the community colleges and the university with the goal of better meeting the educational needs of students in Maricopa County," Hackett says. "Rudy will work with both institutions to strengthen the partnership and provide new opportunities for each organization to help students."

In his new role, Garcia will help to create a seamless transition for students who transfer to ASU from Maricopa Community Colleges.

The partnership between Maricopa Community Colleges and ASU extends beyond the traditional transfer approach and allows simultaneous enrollment at both institutions. Students will have access to academic and student support services, such as advising, library resources and extracurricular activities at both institutions.

The goal of the alliance is to increase graduation rates at ASU and Maricopa Community Colleges.

"Students attending the Maricopa Community Colleges will benefit from having a director dedicated to working to smooth the pathway from the community colleges to the campuses of ASU," says Maria Harper-Marinick. "Rudy's expertise and leadership are critical components for the alliance. We are delighted that he will be able to facilitate these new ventures and ensure that students will understand the many benefits."



Rudy Garcia

Garcia has also held the positions of academic advisor at ASU and social worker for Phoenix and the YMCA.

Garcia received his undergraduate degree in social work and his master's degree in public administration from ASU. He also is completing his doctorate in higher education and student affairs leadership at the University of Northern Colorado.

Breese, with University College, can be reached at (480) 727-5314 or (shaun.breese@asu.edu).

In THE NEWS

ASU experts frequently are 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.

In what is likely the largest block of Louisiana students relocated because of Hurricane Katrina to a single institution, more than 30 fifth-year architecture students from Tulane University have enrolled at ASU, where five Tulane faculty members will teach. ASU's architecture dean, Wellington "Duke" Reiter, who graduated from Tulane, and Tulane's dean, Reed Kroloff, are enthusiastic. Local architecture and construction firms are donating time and materials for studio space. *Architectural Record*, Sept. 14.

Errors in scientific testing contributed to wrongful conviction in two-thirds of 86 criminal convictions that DNA evidence later found to be wrong, an analysis showed. Forensic science, such as ballistics, fingerprint identification and hair analysis, is fallible, says law professor Michael Saks. "There has been remarkably little research on the accuracy of traditional forensic sciences." Most forensic science is done by people with little training, and there is pressure to produce findings that support police. *Houston Chronicle*, Sept. 17.

Schoolteachers in Indiana who help students cheat on their federally mandated tests are in danger of losing their credentials – and their jobs. After the problem came to light last year, new penalties were instituted. The perceived unfairness of the No Child Left Behind Act, which holds schools accountable for the progress of all students – regardless of their backgrounds – helps educators justify their involvement in cheating, says education professor Thomas Haladyna. *Indianapolis Star*, Sept. 18.

Modern humans and Neanderthals may have been more alike than previously thought, according to new research focusing on tooth development, which is a marker for growth and aging. Neanderthals may have had prolonged childhoods and relatively big brains, judging by molar eruption times. Though there is "extremely compelling evidence that the time it took Neanderthals to grow their teeth is broadly similar," says anthropologist Gary Schwartz, it doesn't mean they are related to modern humans. *Discovery News*, Sept. 20.

Exercise, not rest, is critical to cancer patients' ability to heal, says nursing professor Anna Schwartz. Studies have linked excessive rest by cancer patients to increased fatigue, loss of strength and prolonged hospitalization. "People think they're going to get skinny and really sick from chemotherapy," she says. "But if you exercise, you are going to get fitter and faster." Schwartz started bicycling as a cancer patient but advocates walking as the best exercise. *Indian Country Today*, Sept. 20.

The Commission on Federal Election Reform has recommended that prospective voters be required to present a form of photo identification when they arrive at the polls. Three of the commission's members, including public programs professor Raul Yzaguirre, dissented, saying, "For voters who have traditionally faced barriers to voting – racial and ethnic minorities, the disabled, indigent and elderly – these recommendations appear to be more about ballot security than access to the ballot." *Houston Chronicle*, Sept. 22.

Seminar addresses Asian marketplace

By Karen Klimczak

Senior officials from the Republic of Korea Embassy, Hyundai Motor Co. and the Korea Economic Institute (KEI) will present a seminar on entrepreneurship and global logistics from 1 – 5 p.m., Oct. 6, in the Memorial Union's Gold room on the Tempe campus.

The seminar will help educate attendees on how to enter and thrive in the Korean marketplace and other Asian markets. Speakers will share challenges facing the region and discuss its long-term growth and development initiatives.

Lecturers include Kyong Yul Lee and Choe Jong-hwa, Republic of Korea Embassy; Frank Shin, senior vice president of the Hyundai Motor Co.; Scott Rembrandt of KEI; Dan Shunk, professor of industrial engineering, and Thomas Duening, professor of entrepreneurial programs, both with the Ira A. Fulton School of Engineering; and Tom Choi of the W. P. Carey School of Business.

"The KEI visit will continue the dialogue on Korea's ambition to develop into a major logistics hub with entrepreneurs at the forefront," says Jeffrey Goss, assistant dean at the Fulton School of Engineering.

By engaging local universities and their communities, KEI hopes to assess the interest level in Korea and assist those who wish to learn more.

The event is free and is open to the ASU community and the general public. To R.S.V.P., contact the Center of Professional Development in the Ira A. Fulton School of Engineering at (asu.cpd@asu.edu) or call (480) 965-1740.

Klimczak, with the Ira A. Fulton School of Engineering, can be reached at (480) 727-8318 or (karen.klimczak@asu.edu).

Technology Management debuts at Polytechnic campus

By Chris Lambrakis

It used to be that a prospective student interested in Web design or emergency management would not know where to find those programs at ASU.

In August, that changed. The Department of Information and Management Technology in the College of Technology and Applied Sciences received approval from the Arizona Board of Regents to move forward with a new department name and degree programs.

Effective this fall, the department's new name is the Department of Technology Management – which, according to ASU chair and professor Thomas Schildgen, better reflects the varied programs offered by the department, which range from programs focusing on weapons of mass destruction to digital print and photography.

"With enrollment being one of the primary objectives of the Polytechnic campus, the name change will better accommodate new technical program offerings," he says.

In addition to the name, the bachelor's degree in Industrial Technology was disestablished to make way for three new majors, which had been concentrations under the Industrial Technology degree. Bachelor's degrees in graphic information technology, environmental technology management (ETM) and operations management became effective for students enrolling for the current semester.

"Previously, when undergraduate students or parents looked for academic

programs in environmental technology or graphic information technology, they could not find any direct information because degree programs were listed, not the technical concentrations," Schildgen says.

Some of these programs offer online courses, or they will very soon. The master's degree in ETM is the only one offered completely online by the department, and it has been for four years. Beginning in January, the master's degree in technology will offer an online graphic information technology degree.

"In 2006, the bachelor's degree in Fire Service Management will be online, along with the bachelor's degree in Internet and Web development," Schildgen says. "The effort to make more programs available online is only increasing and will continue."

These department changes are the first of many changes that will be occurring as part of the proposed five-year plan to transform the Polytechnic campus. The plan recommends reorganizing existing colleges, establishing new colleges, schools and degree programs, and adding faculty and facilities.

To learn more about the department, visit the Web site (www.technology.east.asu.edu/dtm). To learn more about the five-year plan, go to the Web site (www.east.asu.edu/about/provost/presentations).

Lambrakis, with the Polytechnic campus, can be reached at (480) 727-1173 or (lambrakis@asu.edu).

Webber takes on new duties in Graduate Studies

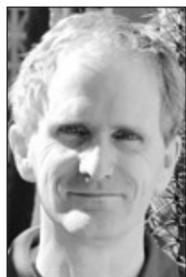
By Michelle Martinez

Professor Andrew Webber has been appointed associate dean of graduate student programs in the Division of Graduate Studies (DGS).

Webber, a faculty member in the Cellular and Molecular Biosciences, previously served as the associate director of graduate programs in the School of Life Sciences.

He began working at Graduate Student Programs Sept. 16, replacing Marjorie Zatz, who accepted the position of vice provost for academic personnel in the provost's office.

"I have worked with graduate students in many capacities at ASU, and I have always found it to be a productive and rewarding experience," Webber says. "I believe that graduate education and training programs will play an important role in cementing the new interdisciplinary initiatives being launched at ASU. The Division of Graduate Studies is nationally recognized for many of its activities, and I am very much looking forward to joining an active and committed team and to helping further graduate education at ASU."



Andrew Webber

Webber came to ASU in 1989 after completing postdoctoral positions at the University of California at Riverside and the University of Cambridge. He received his bachelor's and doctoral degrees in biological chemistry and biology from the University of Essex in the United Kingdom.

His research involves studying the molecular mechanisms of photosynthesis, or the structure and function of membrane proteins and electron transfer during photosynthesis. He is associate editor of *Photosynthesis Research* and is investigating the impact of global change on crop production with a team of scientists at the U.S. Water Conservation Laboratory.

"We were pleased to have an exceptional group of faculty apply for this position whose records demonstrated extraordinary commitment to graduate education," says Maria Allison, vice provost and dean of Graduate Studies. "Dr. Webber stood out because of his strong interdisciplinary perspective coupled with his vast knowledge, experience and commitment to the success of graduate students. I look forward to the opportunity to work with him to build increasingly strong support programs for our graduate students."

Martinez, with Division of Graduate Studies, can be reached at (480) 965-5995 or (michelle.martinez.1@asu.edu).



Events are free, unless otherwise noted. 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

■ Thursday, Oct. 6

Crafty Ladies Group, noon – 1 p.m., Memorial Union (MU) Kaibab room 208E. Information: (480) 965-0147.

Lectures

■ Friday, Sept. 30

"Stories from the Front Lines of Public Service," 4 – 5 p.m., Memorial Union (MU) Coconino room 224. Speaker: Michael Musheno, San Francisco State University, College of Behavioral and Social Sciences, Criminal Justice Program director. Sponsored by the School of Public Affairs. Information: (480) 965-3926.

■ Monday, Oct. 3

"Probing the Mechanism of Nucleation and Crystal Growth in Inorganic Networks," Bateman Physical Sciences Center (PS) H-150. Speaker: Jim Martin, Chemistry Department, North Carolina State University. Sponsored by the Chemistry and Biochemistry Department. Information: (480) 965-2093.

■ Tuesday, Oct. 4

"Quest: The Essence of Humanity," School of Law's Armstrong lecture hall. Speaker: Charles Pasternak, director of Oxford International Biomedical Center. Book signing to follow at 5:30 p.m. R.S.V.P.: (480) 727-8322.

■ Wednesday, Oct. 5

"Dynamical Approach to Steady-State Transport in Nanoscale Conductors with Closed Geometry," 4 p.m., Barry M. Goldwater Center (GWC) room 487. Speaker: Na Sai, University of California, San Diego. Part of the Soft Matter & Biological Physics Seminar Series. Light refreshments at 3:45 p.m. Information: (480) 965-4073.

"Million-Dollar Baby," 6 p.m., LS E-104. A film about euthanasia and disability rights, followed by panel discussion. Panelists: Gregor Wolbring, research scientist at the Department of Biochemistry and Molecular Biology, Faculty of Medicine, University of Calgary; Dan Strouse, ASU College of Law. Part of the Bioethics, Policy and Law Program. Sponsored by the School of Life Sciences. Film rated PG-13. Information: (480) 965-8927.

■ Thursday, Oct. 6

"Stop Procrastination Once and For All!" noon, ASU Downtown Center, 502 E. Monroe St., Phoenix. Speaker: productivity management specialist Sue Shipman. R.S.V.P.: (480) 727-5266.

"Search for the Perfect Liquid at RHIC," 4 p.m., PS F-123. Refreshments at 3:40 p.m., F-Wing lobby. Speaker: Gary Westfall, Michigan State University. Sponsored by the Physics and Astronomy Department. Information: (480) 965-5359.

Memoirist, nonfiction writer and editor Lee Gutkind, 7:30 p.m., Wildflower Pavilion at the Desert Botanical Gardens, 1201 N. Galvin Parkway, Phoenix. Sponsored by the Virginia G. Piper Center for Creative Writing. Information: (480) 965-6018.

"North Korea in the 'Axis of Evil,'" 7:30 p.m., Lattie Coor Hall room 170. Speaker: Bruce Cumings, ASU Robert C. Staley Distinguished Visiting Professor in East Asian Studies and the Norman and Edna Freehling Professor at the University of Chicago. Sponsored by Center for Asian Studies. Information: (480) 965-7184.

■ Friday, Oct. 7

"Cyanobacteria: From Genome to Function," 2 p.m., LS E-104. Speaker: Wim Vermaas, School of Life Sciences. Information: (480) 965-3500.

■ Monday, Oct. 10

"Between Eden and Armageddon: Religion, Violence and the Future of Peacemaking," 7:30 p.m., Armstrong Hall (LAW) Great Hall. Speaker: Author and professor Marc Gopin. Part of the "Religion and Conflict: Alternative Visions" lecture series. Sponsored by the ASU Center for the Study of Religion and Conflict. Information: (480) 965-7187.

■ Tuesday, Oct. 11

"Creating Your Dream," noon, Downtown Center. Speaker: Christopher Dorris, an expert on peak performance and mental conditioning. R.S.V.P.: (480) 727-5266.

■ Wednesday, Oct. 12

"Investigating Business and Global Investigative Journalism: Issues and Trends," noon – 1 p.m., Stauffer Communication Arts Building (STAUF) Reading Room (second floor). Speaker: Stephen K. Doig, Knight Chair in Journalism, professor, Cronkite School of Journalism and Mass Communication. Sponsored by the Cronkite School of Journalism and Mass Communication. Information: (480) 965-1812.

English Emeritus Colloquium Series, 3:15 p.m., Durham Language and Literature Building (LL) room 316. Speaker: Bert Bender. Information: (480) 965-7611.

"Bionanotechnology Approach in Material Synthesis and Device Fabrication by Applying Peptid/Protein Assemblies," 4 p.m., Barry M. Goldwater Center (GWC) room 487. Speaker: Hiroshi Matsui, City University of New York. Part of the Soft Matter & Biological Physics Seminar Series. Light refreshments at 3:45 p.m. Information: (480) 965-4073.

■ Thursday, Oct. 13

"Advancing Global Health," noon, University Club. Speaker: Roy Curtiss, ASU researcher. Part of the University Club Colloquium Series. Reservations: (480) 965-0701.

"Wrapping Light Around a Hair: Optics at the Nanoscale," 4 p.m., PS F-123. Refreshments at 3:40 p.m., F-Wing lobby. Speaker: Eric Mazur, Harvard University. Sponsored by the Physics and Astronomy Department. Information: (480) 965-5359.

"Geometry and Chemistry: Regular Structures," 7:30 p.m., H-150. Michael O'Keeffe, Chemistry & Biochemistry Department, delivers the annual Eyring Lecture. Sponsored by the Chemistry and Biochemistry, Department Information: (480) 965-2093.

■ Friday, Oct. 14

"The Rationale for Directed Immunotherapy in Autoimmune Disease," 2 p.m., LS E-104. Speaker: Ed Moticka, chief research officer, Scottsdale Healthcare. Sponsored by the School of Life Sciences. Information: (480) 965-3500.

"Dutch Books, Coherence and Consistency," 3 p.m., Coor Hall, room 184. Speaker: Brad Armendt, ASU. Sponsored by the Department of Philosophy. Information: (480) 965-3394.

"Geometry and Chemistry: Reticular Chemistry and

the Search for Open-framework Materials," 3:40 p.m., PS H-150. Michael O'Keeffe, Chemistry & Biochemistry Department, delivers the Technical Presentation of the annual Eyring Lecture. Sponsored by the Chemistry and Biochemistry Department. Information: (480) 965-2093.

"Predator Mobbing in the Spectral Tarsier," 4 p.m., School of Human Evolution & Social Change room 340. Speaker: Sharon Gursky, Anthropology Department, Texas A&M University. Sponsored by the School of Human Evolution & Social Change. Information: (480)965-6213.

Conferences

■ Saturday, Oct. 8

"The Legend of Robin Hood," 10 a.m. – 4 p.m., Architecture and Environmental Design Building North (AED) room 60. Sponsored by the Arizona Center for Medieval and Renaissance Studies. Information: (480) 965-9323.

Miscellaneous

■ Friday, Sept. 30

Astronomy Open House, 8 – 10 p.m., roof of the Bateman Physical Sciences Building H Wing (fifth floor). Information: (480) 727-7010 or (<http://eagle.la.asu.edu/openhouse>).

■ Saturday, Oct. 1

Tailgate party, 2 hours before USC versus ASU game, Wells Fargo Arena. Sponsored by the Alumni Association. Information: (480) 965-2586.

Chef's Table Barbecue on the Patio, 10 a.m. – 12:30 p.m., University Club. Information: (480) 965-2505.

■ Monday, Oct. 3

Blood Drive, 8:30 a.m. – 2:30 p.m., northeast side of Memorial Union (MU). Also 8 a.m. – 2:30 p.m., Oct. 10, Oct. 14; 8:30 a.m. – 1 p.m. Oct. 21. Information: (480) 675-5437.

■ Wednesday, Oct. 5

Classified Staff Barbecue, 11:30 a.m. – 2 p.m., Old Main Lawn. Information: (480) 727-8233.

Edson Student Entrepreneur Initiative Orientation, 3 – 6 p.m., Payne Education Hall (EDB) room 129. Information: (480) 965-0036.

■ Friday, Oct. 7

Instructor-led Computing Course, Adobe Photoshop 6: Basic Skills, 8 a.m. – 5 p.m., University Services Building (USB) Room 1202. Fee: \$195. Information: (480) 965-4983.

■ Saturday, Oct. 8

Edson Student Entrepreneur Initiative Orientation, 9 a.m. – noon, Agriculture Building (AG) room 250. Information: (480) 965-0036.

■ Wednesday, Oct. 12

Instructor-led Computing Course, Access 2002 (XP) Form Design, 8 a.m. – noon, USB room 1502. Fee: \$85. Information: (480) 965-4983.

Instructor-led Computing Course, Excel 2002 (XP) Charting, 1 – 5 p.m., USB room 1502. Fee: \$85. Information: (480) 965-4983.

■ Friday, Oct. 14

Instructor-led Computing Course, Visio 2003 Introduction, 8 a.m. – 5 p.m., USB room 1502. Fee: \$170. Information: (480) 965-4983.

Ollie's Storybook Adventures, 10 a.m., Deer Valley Rock Art Center, 3711 W. Deer Valley Road, Phoenix. For children ages 3 – 6. Theme: "Desert Birds: The Owl and the Woodpecker." Admission: (623) 582-8007.

Entertainment

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

**Indicates tickets are available at Gammage Auditorium, (480) 965-3434; Kerr Cultural Center, (480) 596-2660.

■ Friday, Sept. 30

"The Boy Friend," 7:30 p.m., Evelyn Smith Music Theatre. Presented by Lyric Opera Theatre. Other performances: 7:30 p.m., Oct. 1, 5, 7, 8; 2 p.m., Oct. 9.*

■ Monday, Oct. 3

Monday Morning Musicale, 10 a.m., ASU's Kerr Cultural Center. Featuring woodwind chamber music selections from operettas arranged for voice, flute and piano.

'Innovation and Change' exhibition on view at Ceramics Research Center

The ASU Art Museum's Ceramics Research Center (CRC) is featuring the free exhibition "Innovation and Change: Great Ceramics from the Permanent Collection" through Jan. 21.

CRC hours are 10 a.m. – 5 p.m., Tuesday – Saturday.

The exhibition, which highlights more than 50 works by leading international artists, offers a panoramic survey of the potential of clay as an expressive art form. The objects on view range from func-

tional ware for everyday use to more expressive sculptural forms.

This permanent collection exhibition features works by Rudy Autio, Hans Coper, Rick Dillingham, Ruth Duckworth, Viola Frey, Shoji Hamada, Ken Ferguson, Asger Jorn, Karen Karnes, Bernard Leach, Maria Martinez, Otto and Gertrud Natzler, Lucie Rie, Edwin and Mary Scheier, Angus Suttie, Akio Takamori, Peter Voukos, Kurt Weiser, Betty Woodman and others.

The Ceramics Research Center,

located on the northeast corner of 10th Street and Mill Avenue in Tempe, is an international destination point for the hands-on study and enjoyment of ceramics. It houses and displays an extensive ceramic collection of more than 3,000 objects.

Free parking is available at the CRC. For more information, call the ASU Art Museum at (480) 965-2787, or visit the Web site (<http://asuartmuseum.asu.edu/ceramics-researchcenter/index.htm>).

ASU Brass Ensembles, 7:30 p.m., Katzin Concert Hall.

■ **Wednesday Oct. 5**

ASU Trumpets Lecture/Recital, 7:30 p.m., Recital Hall.

Joe Corral Sextet, 7:30 p.m., ASU's Kerr Cultural Center, Scottsdale.**

■ **Thursday Oct. 6**

Coffee at Kerr, 10 a.m., ASU's Kerr Cultural Center, Scottsdale. Marshall Trimble, Arizona's official historian, presents "Scottsdale in the '30s." Free, but R.S.V.P. required: (480) 596-2660.

Sinfonietta, Wind Ensemble, 7:30 p.m., ASU's Gammage Auditorium.

■ **Friday Oct. 7**

"Guy Gabaldon, American Hero" and "Ballad of an Unsung Hero," noon – 1:30 p.m., Hayden Library Room 133. Part of the Archives Film Festival. Information: (480) 965-3145.

Violist Mark Newman, 7:30 p.m., Katzin Concert Hall.

"Orchids in the Moonlight," 7:30 p.m., Lyceum Theatre. Presented by ASU Theatre. Other performances: 7:30 p.m., Oct. 8, 14 – 15, 21 – 22; 2 p.m., Oct. 9, 16. Appropriate for mature audiences. Post-show discussion Oct. 20.*

■ **Saturday, Oct. 8**

Kota Yamazaki, 7 p.m., ASU's Gammage Auditorium. A blend of contemporary, classical ballet and Asian-influenced dance.**

■ **Sunday, Oct. 9**

"Bach Through a Wide-Angle Lens," 2:30 p.m., Organ Hall. Kimberly Marshall, ASU's Goldman Professor of Organ, plays the Fabulous Fritts organ.*

■ **Monday, Oct. 10**

St. Lawrence String Quartet, 7:30 p.m., Katzin Concert Hall.

■ **Tuesday, Oct. 11**

Tuesday Morning Music & Coffee Concert, 10 a.m., ASU's Kerr Cultural Center, Scottsdale. Performing: ASU School of Music's Trio du Soleil. Free, but R.S.V.P. required: (480) 596-2660.

Violinist Aiman Musahodzheyeva, 5 p.m., Katzin Concert Hall.

Chamber Orchestra, 7:30 p.m., Evelyn Smith Music Theatre.

■ **Wednesday, Oct. 12**

Mozart Keyboard Bash II, 7:30 p.m., Katzin Concert Hall.

■ **Thursday, Oct. 13**

A Night Under the Stars, 7 – 11 p.m., ASU's Kerr Cultural Center, Scottsdale. An evening of culinary delights from local restaurants, specialty beer, fine wine, fashion show, auction and music by Kristi Kai and her band. Benefits It's All About the Kids foundation.**

String Chamber Music Recital, 7:30 p.m., Katzin Concert Hall.

■ **Friday, Oct. 14**

"A Tribute to Ray Brown and Lionel Hampton," 8 p.m., ASU's Kerr Cultural Center, Scottsdale.**

Exhibitions

Archives, Luhrs Gallery — 8 a.m. – 5 p.m., Monday – Friday. Hayden Library, fourth floor. Information: (480) 965-3145.

Through Jan. 27, "Rediscover Arizona's Frontier Through Primary and Secondary Source Material from Archives and Special Collections."

Arts, Media and Engineering/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. 21, "Aggregation" by Andy Lomas. Lomas' elegant images and animations emerge from intricate forms of plant and coral like structures created by digital simulation of flow and disposition. Artist-animator Lomas is the head of character effects at DreamWorks Animation.

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 Nov. 19, "Stella Lai: Let's Stop Pretending." Reflecting on the historical turning point when Hong Kong was returned to China, San Francisco artist Stella Lai examines the architecture, language and memories that defined her homeland. Information: Denise Tan-

guay, (480) 965-7144.

Through Dec. 24, "Regeneration: Contemporary Chinese Art from China and the U.S." Surveys the rapidly changing field of contemporary Chinese art in drawing, installation, painting, photography, video, prints and sculpture. Members and invited guests reception, 7 – 9 p.m., Oct. 8.

Through Oct. 8, "Araceli Herrera: Mexico Through the Lens." An exhibition of black-and-white images of Mexican life by photojournalist Araceli Herrera. Organized by Miriam Haddu, a lecturer in Hispanic Studies at Royal Holloway University of London.

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

Through Jan. 14, "Between Clouds of Memory: Akio Takamori, A Mid-Career Survey." Comprising 48 sculptures, plus nine prints and drawings, from the museum's collection, as well as private and public collections nationwide. Artist lecture, 7:30 p.m., Oct. 7, Coor Lecture Hall; Members and invited guests reception, 7 – 9 p.m., Oct. 8, ASU Art Museum

ASU's Gammage Auditorium — 1 – 4 p.m., Monday – Friday. Information: (480) 965-6912.

Through Oct. 16, "Women in Focus." An exhibition of photography by five artists from Prescott, showing a variety of work.

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) 596-2660.

Opens Oct. 2, Catherine Beyer and Roxana Woods. Woods explores the intersection of wind, sand and surf through hanging sculptures & drawings. Also featured are watercolors by Beyer. Reception: 6 – 8:30 p.m., Oct. 1.

The Galleria — 7:30 a.m. – 6 p.m., Monday – Friday, located at the ASU Downtown Center, 502 E. Monroe St., Phoenix. Information: (480) 965-3046.

Opens Oct. 3, "It's All Propaganda." This exhibition of prints, oils and acrylics by Ryan Singer celebrates Native American Recognition Month. First Friday opening is from 6 – 9 p.m., Oct. 7.

Harry Wood Gallery — 9 a.m. – 5 p.m., Monday – Thursday; 9 a.m. – 3 p.m., Friday, Art Building, first floor. Information: (480) 965-3468.

Opens Oct. 3, Painting II class.

Opens Oct. 10, "New Graduates."

Hayden Library Concourse — normal library hours. Information: (480) 965-6164.

Through Oct. 14, "La Vida – Celebrating Arizona's Hispanic Heritage – A Photographic Exhibit." This exhibit features photographs from the ASU Libraries' Archives and Special Collections that document Arizona's Hispanic culture.

Interdisciplinary Arts and Performance Gallery — 11 a.m. – 2 p.m., Monday – Thursday, University Center Building, room 228, ASU's West campus. Information: (602) 543-2787; Tours: (602) 543-8152.

Opens Oct. 3, "AZUCAR," a ceramic environmental installation by Dora Hernandez.

Museum of Anthropology — 11 a.m. – 3 p.m., Monday – Friday, Cady and Tyler Malls. Information: (480) 965-6224.

Opens Oct. 1, "Room for the Dead: 6th Annual Día de Los Muertos Festival Exhibit." Altars will be created out of household furnishings and appliances. This exhibit brings together prominent local Chicana/o artists, community members and ASU students reflecting a broad array of individual styles, personal meanings and socially shared concerns. Curators are Michelle Martinez, recognized poet, artist and teacher; and Marco Albarran, artist and director of the Calaca Cultural Center.

Northlight Gallery — 7 – 9 p.m., Monday; 10:30 a.m. – 4:30 p.m., Tuesday – Thursday; 12:30 – 4:30 p.m., Saturday, Matthews Hall. Information: (480) 965-6517.

Through Oct. 8, "Armed Old Men On Patrol," gelatin silver photographs of the Southwest by Dick George; "some dark pictures," gelatin silver mural prints of the Southwest by Michael Lundgren.

Step Gallery — noon – 5 p.m., Monday – Thursday; noon – 3 p.m., Friday, Tempe Center, 10th Street and Mill Avenue. Information: (480) 965-3468.

Opens Oct. 3, Non-Silver Photography Class.

Opens Oct. 10, Solo exhibition by Ruth Mower.

Defenses

Mohamad El-Zein, Ph.D., Civ. and Env. Eng., 11 a.m., Oct. 3, ENGR 490.

Kathryn Boltz, Ph.D., Plant Bio., 1 p.m., Oct. 3, LSE 232.

Donghai Sun, Ph.D., Eng. Sci., 9 a.m., Oct. 7, GWC 487.

In FOCUS

'Orchids in the Moonlight' kicks off Herberger Mainstage Theatre season

The ASU Herberger Mainstage Theatre season kicks off Oct. 7 with Carlos Fuentes' poetic 1981 masterpiece, "Orchids in the Moonlight," winner of the Mexican National Award for Literature. Based on Mexico's golden age of cinema, Orchids' main characters are classic actresses of 1940s Mexican, American and European films - María Félix and Dolores del Río - who revisit their starring roles in exploration of their true identities.

First produced in 1982, "Orchids in the Moonlight" is taken from the title of the classic song from the film "Flying Down to Rio." The play is set in an apartment in Venice, Calif., where the actresses are attended by Nubian slaves and serenaded by the music of Jorge Negrete. As one of Fuentes' few plays, it is a classic example of his expertise in the realm of magical realism.

In this story, "actors impersonate actors who impersonate actors," says director Oscar Giner, a theater professor in the Herberger College of Fine Arts. "The layers provide a wonderful range of perception and being."

"Orchids in the Moonlight" will feature an art deco architectural set designed by Jeff Thomson and 1940s fashion costumes by Connie Furr-Soloman. Film clips from the Mexican-themed classics "Flying Down to Rio," "Bird of Paradise," "Doña Diabla" and others will be shown.

"This production is an experiment in how great design affects an actor's performance," Giner says. "It's a point in space where ocean, moon, night and dreams gather in vision."

Tickets for "Orchids in the Moonlight" range in price from \$5 – \$20 and are available online at (<http://herbergercollege.asu.edu/mainstage>) or through the Herberger College Box Office, (480) 965-6447. Show times are 7:30 p.m., Oct. 7, 8, 14, 15, 20, 21 and 22; and 2 p.m., Oct. 9 and 16; at the Lyceum Theatre, 901. S. Forest Mall, on the Tempe campus.

The Herberger College Department of Theatre production program advances the art of theater with student



Katherine Roll Lang plays Dolores del Río in the Herberger Mainstage Theatre production of "Orchids in the Moonlight."

production opportunities, curricula and professional productions that enrich the cultural life of the university, the community and the region. For more information, go to (<http://theatre.asu.edu>).

TIM TRIMBLE PHOTO

Grant money enables Biodesign Institute to join fight against 'dirty bombs'

(Continued from page 1)

management," says Zenhausern, who also is a professor in ASU's Fulton School of Engineering.

At TGen, Jeffrey Trent and Michael Bittner, who jointly worked on "biosignatures" of radiation response while at the NIH, will lead a team that will provide informatics and biostatistical support.

"TGen's focus on mathematical tools, combined with ASU's sophisticated bio-computing platforms, are a key component to the consortium's goal of developing diagnostic tests following a potentially catastrophic radiological incident," Trent says. "The ability to rapidly analyze an individual's genetic signature of radiation exposure levels could be remarkably important in triaging patients."

Columbia University will serve as the lead institution for the award, which will establish a Center for Medical Countermeasures Against Radiation (CMCR). The center will comprise several institutions and a multidisciplinary consortium of radiation biologists and physicists, mechanical and software engineers, product development experts and commercial companies in the field.

In addition to Columbia, the Biodesign Institute and TGen, other institutions involved in the research consortium include the Harvard University School of Public

Health, the National Cancer Institute, Sionex Inc., and New York's Department of Health and Mental Hygiene.

If there were a large-scale radiological incident in a U.S. city, tens or thousands – or, possibly, hundreds of thousands – of people would need to be screened immediately for radiation exposure. Those with high levels of radiation would need to be quickly triaged into treatment.

Unfortunately, no rapid post-exposure method exists to measure the radiation dose received by individuals in the event of a large-scale scenario. Current technologies can assess only a few hundred individuals per day.

A second critical shortcoming in existing capabilities is that few medical products exist to counter the variety of acute and long-term injuries that can result from nuclear or radiological attacks.

The formation of the CMCR is an effort to address these weaknesses. It reflects the growing concern of such attacks with the increased activity of global terrorist organizations and a rise in illicit trafficking of radioactive materials.

"The threat of radiological terror is very real," says George Poste, director of the Biodesign Institute and chair of the Department of Defense's task force on bioterrorism. "Most scenarios will present major organizational challenges to government,

medical facilities and emergency first responders in the event of a catastrophe."

Potential radiation exposure scenarios may include the detonation of nuclear weapons, terrorist attacks on nuclear reactors, or the dispersal of radioactive substances with the use of conventional explosives – so-called "dirty bombs" – that could result in mass casualties.

Zenhausern's team, which includes Carl Yamashiro and Ralf Lenigk, will work on devices that can rapidly distinguish individuals who need therapy from those who do not, and that can measure internal and external exposure – not just after exposure, but during treatment and recovery stages, too. This will involve development of minimally invasive biodosimetry devices and techniques, biomarker assays and other automated biology-based, high-throughput diagnostic systems.

"The goal of our approach is to develop a tiny, miniaturized cartridge to provide rapid, frequent testing that is also sensitive enough to assess the biological impact of radiation for a set of specific genes that indicate radiation exposure," Zenhausern says.

The work will include designing an integrated self-containing blood sample preparation and gene expression profiling device that will be portable and suitable for mass production.

TGen researchers will be working with longtime radiation biology collaborators at Harvard and Columbia to specify sets of genes that have immediate and long-lasting responses to radiation in circulating blood cells.

"By studying the gene expression response of blood cells to radiation in a variety of therapeutic exposures that patients experience during medical imaging, radiation therapy, and to more extreme radiation," Bittner says, "it is possible to develop a panel of tests, which can be carried out on a blood sample, that will indicate the extent of radiation exposure a person received during a radiation release."

This will allow rapid determination of the appropriate types of treatment for those at risk for exposure, Bittner says.

Additional components coordinated by others in the consortium include several methodologies and devices to accurately and rapidly detect radiation from whole body exposure to minute changes in cells, including robotic methods to measure damage to DNA and cells, biochips to monitor gene expression levels, and signature identification of metabolites found in sweat and urine.

Caspermeyer, with the Biodesign Institute, can be reached at (480) 727-0369 or (joseph.caspermeyer@asu.edu).

In BRIEF

Renowned economist gives speech at ASU

ASU's African Student Association, in conjunction with the African and African-American Studies and the School of Global Studies, will play host to a lecture Oct. 4 by George Ayittey, a renowned economist from American University in Washington D.C.

The lecture will take place at 7 p.m. in the Memorial Union's Ventana Ballroom, room 226, on the Tempe campus.

Ayittey's lecture is titled "The G-8 Summit and Its Ramifications on the African Continent."

Ayittey, a scholar who originally is from Ghana, is the president of the Free Africa Foundation and has published several books on Africa, including "Indigenous African Institutions," "Africa Betrayed," "The Blueprint for Ghana's Economic Recovery" and "Africa in Chaos." He has written numerous articles on Africa and the Third World, and his articles have appeared in such publications as *The Wall Street Journal*, *USA Today*, *The Times of London* and *Reader's Digest*.

Ayittey has appeared in recent interviews on Bill Moyers' "Wide Angle" and "The NewsHour with Jim Lehrer" programs – both aired by PBS – and on C-SPAN.

Curriculum panel to consider new courses

The Tempe campus curriculum subcommittee will meet from 3:30 – 5:30 p.m., Oct. 5, in the Memorial Union's Apache room 221 to consider the following new courses:

College Of Engineering

- BME 111 Biology for Engineers, 3 hours.
 - BME 300 Fundamentals of Business for Bioengineers, 3 hours.
 - IEE 100 Introduction to Engineering Design for IE, 3 hours.
 - IEE 220 Business and Industrial Engineering, 3 hours.
 - IEE 405 Developing Information Systems Applications, 3 hours.
 - IEE 470 Stochastic Operations Research, 3 hours.
 - MSE 211 Introduction to Mechanics of Materials, 3 hours.
 - MSE 215 Materials Synthesis, 3 hours.
 - MSE 216 Materials Synthesis Lab I, 1 hour.
 - MSE 315 Mathematical & Computer Methods in Materials, 3 hours.
 - MSE 335 Materials Kinetics & Processing, 3 hours.
 - MSE 356 Lab Materials Structure & Microstructure, 1 hour.
 - MSE 358 Intro to Electronic, Magnetic & Optical Properties, 3 hours.
 - MSE 451 Lab Intro to Materials Characterization, 1 hour.
- For more information, call Phyllis Lucie at (480) 965-0739.

Training workshops set for fund managers

Departments receiving average cash payments of at least \$2,000 per month, or average check payments of at least \$4,000 per month, need to adhere to certain cash handling

requirements. For those departments, the business manager and all staff with supervisory responsibility for cash handling are required to attend a training session titled "Depositing University and ASU Foundation Funds Workshop."

Those who have not attended this training session should attend one of the remaining sessions scheduled for this fiscal year. The dates and times for the sessions, to be held at the Computing Commons Auditorium (CC120) are:

- 2 – 4 p.m., Oct. 19.
- 9 – 11 a.m., Nov. 1.
- 2 – 4 p.m., March 22.

To register, call Employee Development at (480) 965-4751, or register online at (www.asu.edu/hr/training).

Continuous improvement program debuts

ASU's offices of the vice presidents in Business and Finance, University Administration and Research and Economic Affairs, as well as Academic Affairs, have launched a continuous improvement program (CIP) that initially will target administrative and service functions at ASU.

The scope of the CIP includes, but is not limited to, the following departments: Purchasing, Parking, University Services, Financial Services, Research Administration and Human Resources.

With suggestions from the university community, CIP officials hope to identify administrative functions or services that can be improved.

A virtual suggestion box has been set up on the administrative and service areas' Web sites. To access the suggestion box directly, go to (www.asu.edu/president/suggestions).

The program is in its pilot phase; plans call for CIP to eventually expand to other university areas.

Contest seeks student book collectors

ASU undergraduate and graduate students who also happen to be book collectors could win \$600 in a book contest, which starts Oct. 1 and runs through February 16.

Student/judge interviews will be held March 2 – 3, and the announcement of contest winners will take place after March 12.

The contest's cash prizes will be awarded at a donor reception set to take place April 6.

Entries will be judged by a panel of judges on the extent to which the collection represents a well-defined field of interest – either focused on the works of one author or on a particular subject.

For more information, call Sharon Kozlo at (480) 965-5374, or go to the Web site (www.asu.edu/lib/library/bookcontest). Brochures are available at the University Libraries, the Memorial Union, Undergrad and Honors colleges, and campus bookstores.

In addition to this contest, *Fine Books & Collections Magazine* is sponsoring a national Collegiate Book Collecting Champi-

onship with a top prize of \$2,500. Anyone who wins a top college contest this academic year will automatically be eligible to compete in the championship contest.

Curriculum committee studies changes

The College of Liberal Arts & Sciences Curriculum Committee will meet at 9:40 a.m., Oct. 5, in the Foundation Building's room 2490 to discuss the following agenda items:

English

- New course – ENG 302 Business Writing.

Center for Asian Studies

- Proposed revisions to the Asian/East Asian certificates and B.I.S. concentrations.

Family and Human Development

- Prerequisite change – FAS 440 Fundamentals of Marriage and Family Therapy.

Geological Sciences

- New course – GLG 325 Oceanography.

School of Human Evolution & Social Change

- New courses – ASB 368 Prehistoric and Historic Hunter-Gatherers; ASB 525 Introduction to Material Culture.

- Change teaching method – ASB 102 Introduction to Cultural and Social Anthropology

School of Justice & Social Inquiry

- Proposal for curriculum changes – description and title change for JUS 375 Justice and the Mass Media.

Kinesiology

- Name change request – Request to change the name of the doctoral program from Interdisciplinary Ph.D. in Exercise Science to Interdisciplinary Ph.D. in Kinesiology.

- Prerequisite change – KIN 335 Biomechanics.
- Title, semester hours, description and prerequisite change – KIN 110 Research Analysis Laboratory.

School of Life Sciences

- New courses – HPS 511 History of Science; HPS 512 Philosophy of Science; HPS 513 Decisions and Strategies; BIO 516 Seminar.

Philosophy

- Prerequisite change – PHI 304 Existentialism.

Sociology

- New courses – SOC 512 Secondary Data Analysis; SOC 516 Family Demography; SOC 523 Social Stratification; SOC 533 Demographic Methods.

- Title and description change – SOC 585 Sociological Theory.

- Delete course – SOC 586 Contemporary Sociological Theory.

Psychology & College of Law

- Establish a joint law and psychology J.D./Ph.D. program.

Women and Gender Studies

- New courses – WSH 330 Women, Film and Culture; WSH 421 Girlhood and Adolescence; WST 378 Global Feminist Theory.

For questions, contact Jenny Smith at (480) 965-8260.

Korean history author to give speech at ASU

By Judith Smith

Bruce Cumings, ASU's Robert C. Staley Distinguished Visiting Professor in East Asian Studies and the Norman and Edna Freehling Professor at the University of Chicago, will give a free lecture titled "North Korea in the 'Axis of Evil'" at 7:30 p.m., Oct. 6, in Lattie Coor Hall room 170 on the Tempe campus.

Cumings will base his lecture on North Korea on his long-standing and acclaimed research on the origins of the Korean War, and the relationship between the United States and Korea.

Cumings first became fascinated by the relationship between America and Korea while serving in South Korea in the Peace Corps. Since then, he has spent more than 30 years working to uncover the history that informs his views on U.S. policy in Korea.

Cumings, an American Academy of Arts and Sciences fellow, has met with as much criticism as acclaim. He is most widely known for his books on the Korean War, including "War and Television," "Korea's Place in the Sun: A Modern History," "Parallax Visions: Making Sense of American - East Asian Relations," and "North Korea: Another Country."

For more information on the lecture, call the ASU Center for Asian Studies at (480) 965-7184, e-mail (asian.studies@asu.edu), or visit the Web site (www.asu.edu/asian).

Smith, with Marketing & Strategic Communication, can be reached at (480) 965-4821 or (jps@asu.edu).

Bird study details role looks play in mating game

(Continued from page 1)

or the antlers of a deer - are costly to males but provide an edge over rival suitors.

"Female barn swallows were more likely to be faithful to their partners when we experimentally altered their mates' appearance to make their feathers more colorful," says Kevin McGraw, co-author of the study and an assistant professor in the School of Life Sciences at ASU. "This is the first time a study has ever demonstrated that female birds can make rapid decisions - based on changing qualities of their mate - about whether or not they should cheat on him."

"The bad news for male swallows is that the mating game is never over," adds Rebecca Safran, who led the research team as a post-doctoral student at Cornell University in Ithaca, N.Y. "It is dynamic and continual. This is something that most humans can relate to. Think of how much time and money we spend on our looks and status long after we have established stable relationships."

In addition to McGraw and Safran (now at Princeton University), other team members are Irby Lovette and Colby Neuman, both of the Cornell Laboratory of Ornithology.

"Our results show that, even after he's secured a mate, a male barn swallow still must maintain an attractive appearance - akin to staying clean shaven, or keeping his 'suit' clean - to please his partner and continue to mate with her," McGraw says.

Like many songbirds, half of all male barn swallows (*Hirundo rustica erythrogaster*) typically care for at least one young chick that was fathered by another bird. The ASU-Cornell researchers used this widespread phenomenon of cheating to test factors that might keep a female faithful to her mate.

Male barn swallows have a wash of reddish-brown color from their throats to their bellies. This color varies among

birds from pale to deep chestnut. Previous studies by Safran demonstrated that male color may indicate a male's quality - health, status or ability to raise young - indicating that the color signal may be involved in mate selection decisions.

To assess mate selection decisions, the researchers removed the first set of eggs laid by 30 pairs of barn swallows so that females would be forced to mate again. Before females chose their mates for a second nest, the researchers captured the males and randomly assigned them one of three treatments.

They either painted the birds' throat, breast or belly feathers with a brown marker to enhance their feathers to match the darkest (most attractive) males in the population; they left them alone; or painted them with a clear marker to ensure the coloring process did not bias results. Then they let the pairs breed again and conducted comparative DNA tests on the offspring from the first and second breeding bouts.

All 30 females remained socially paired with their original mate, but they were sexually active with other males. Males with enhanced color fathered a substantially larger percentage of offspring in their second nests compared to their first nests. Males whose color was unchanged fathered the same number or fewer chicks than they had in their first nests.

"Our goal now is to understand how certain males keep better plumage than others," says McGraw, who studies the molecules that color a bird's plumage and the evolutionary importance of color for birds. "Factors like ultraviolet radiation from the sun, soiling and even feather-degrading bacteria are known to affect the color of bird feathers once they are grown. Perhaps the best males are those who spend more time preening and protecting their plumage."

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By the numbers: Quality, size define characteristics of freshman class at ASU

(Continued from page 1)

Enrollment at ASU this fall has reached a record 61,033 students, 5 percent higher than last year's 58,156. ASU experienced a 10 percent bump in non-resident enrollment, despite an increase in non-resident tuition.

In addition to welcoming 5,395 new transfer students, ASU has recruited top high school students from around the country and provided more freshman support services.

The effort has paid off by moving the

entire student body to a higher level, while providing more need-based financial aid as well as scholarships.

"The hallmark of the New American University is its emphasis on access and quality," says ASU President Michael Crow. "Enrolling what may be the single largest freshman class in the country is proof that ASU must continue expanding its student capacity to meet the growing needs of the state."

"The academic credentials of our incoming class also are an indication that ASU is beginning to be recognized nationally

as a university that provides a high-quality education."

The Polytechnic campus in Mesa grew to 4,865 from 3,983 last year, reflecting an increase at every class level, with a 50 percent surge in freshmen. The physical education program moved from the Tempe campus, and Polytechnic began offering an increased number of lower-division and online courses, plus bachelor's degree programs in engineering and real estate, and doctorates in physical activity, nutrition and wellness.

Enrollment at the West campus is up 5

percent to 7,734, with an increase in freshman enrollment of almost 25 percent this fall. The campus, formerly an upper-division site, began enrolling freshmen four years ago and now has 1,588 freshmen and sophomores.

The Tempe campus grew 5 percent also, to 51,612. More students than ever before are enrolled full time, continuing a trend that has grown for several years.

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EMPLOYMENT

The following positions are available as of Sept. 27 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.

ASU POSITIONS

A complete job announcement for classified, administrative and service professional positions at the Tempe, East and downtown Phoenix campuses is available on the Human Resources Web page at (www.asu.edu/hr/jobs), or the Telecommunication Device for the Deaf at (480) 965-3002. Announcements for West campus openings are available on the West Human Resources Web page (www.west.asu.edu/adaff/hr/JOBS/jobOpps.htm) and on the West Dial-a-Job Hotline at (602) 543-5627.

For complete position descriptions/application requirements for academic positions, contact the appropriate 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 listed.

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.

STAFF POSITIONS

TEMPE CAMPUS

Executive and management

Business Operations Manager (C)/#O-121565 - Institute for Social Science Research (Oct. 7; every two weeks thereafter until search is closed).
Manager, Programs - KAET (C)/#O-121336 - KAET Public Television Station (Oct. 17; every two weeks thereafter until search is closed).

Professional

Academic Specialist (C)/#O-121595 - Civil & Environmental Engineering (Oct. 7; every week thereafter until search is closed).
Assistant Dean (C)/#O-121640 - College of Education (Oct. 14; every week thereafter until search is closed).
Assistant to President Alumni Association (S)/#O-121609 - Alumni Center (Oct. 7; every two weeks thereafter until search is closed).
Information Specialist/Information Specialist Coordinator (C)/#O-121459 - Herberger College of Fine Arts (Oct. 14).
Internal Auditor/Internal Auditor, Senior (S)/#O-121619 - Internal Audit & Management Services (Oct. 14; every two weeks thereafter until search is closed).
Library Specialist (C)/#O-121669 - Archives & Special Collections (Oct. 14).
Program Coordinator, Senior (C)/#O-121616 - CLAS Advancement (Oct. 14).

Technical and computer

Graphic Designer, Senior (C)/#O-121551 - Bidesign Institute (Oct. 5; every week thereafter until search is closed).

Administrative support

Administrative Assistant (C)/#U-121561 - English (Oct. 5; every two weeks thereafter until search is closed); (C)/#U-121626 - Administrative Services (Oct. 5; every week thereafter until search is closed).
Accounting Specialist (C)/#O-121675 - Student Business Services (Oct. 7; every week thereafter until search is closed).
Credentials Evaluator (C)/#O-121666 - Undergraduate Admissions (Oct. 14; every two weeks thereafter until search is closed).
Office Specialist, Senior (C)/#O-121604 - Electrical Engineering (Oct. 17).
Office Assistant/Receptionist, Senior (C)/#O-121491 - Harrington Department of Bioengineering (Oct. 10); (C)/#O-121662 - Undergraduate Admissions (Oct. 14; every two weeks thereafter until search is closed).
Secretary (C)/#O-121570 - Chemistry and Biochemistry (Oct. 7; every two weeks thereafter until search is closed).

Service/field craft/maintenance

Building Automation Systems Specialist (C)/#O-121498 - HVAC Services (Oct. 7; every two weeks thereafter until search is closed).
Groundskeeper (C)/#O-121654 - Grounds Services (Oct. 7; every week thereafter until search is closed).

POLYTECHNIC CAMPUS

Professional

Academic Adviser (C)/#U-121623 - Physical Education (Oct. 28).
Library Specialist, Senior (C)/#O-121666 - Library Services (Oct. 14; every two weeks thereafter until search is closed).

Service/field craft/maintenance

Parking Appeals Officer (C)/#O-121635 - Parking & Transit Service (50% FTE) (Oct. 7; every week thereafter until search is closed).

WEST CAMPUS

Professional

Program Coordinator, Senior - (C)/#O-121614 - Partnership for Community Development (Oct. 7; every week thereafter until search is closed).

ACADEMIC POSITIONS

TEMPE CAMPUS

Academic professional

International Institute for Sustainability - Assistant Research Technologist/#8349 (Oct. 10; each week thereafter until search is closed); Assistant Research Technologist/#8407 (Oct. 7; each week thereafter until search is closed).
School of Social Work - (Academic Associate) Associate Coordinator of Field Education/#8407 (Nov. 1; the first of each month thereafter until search is closed).

Faculty

Archives & Special Collections - Assistant Archivist for Records and Collections Management/#8399 (Nov. 1; the first of each month thereafter until search is closed).

Chemistry & Biochemistry - Assistant/Associate Professor/#8354 (Nov. 2; every two weeks thereafter until search is closed).

Division of Psychology in Education - Associate Professor in Counselor Education and Counseling Psychology/#8403 (Nov. 15; the first and 15th of each month thereafter until search is closed).

Family and Human Development - Assistant Professor/#8372 (Dec. 1; every first & 15th of each month thereafter until search is closed); Assistant Professor/#8374 (Dec. 1; every two weeks thereafter until search is closed).

Harrington Department of Bioengineering - Assistant/Associate Full Professor/#8362 (Dec. 5; every month thereafter until search is closed); Assistant/Associate Full Professor/#8363 (Dec. 5; every month thereafter until search is closed).

Ira A. Fulton, School of Engineering, Electrical Engineering - Assistant/Associate/Full Professor/#8402 (Dec. 15; every week thereafter until search is closed).

Kinesiology - Assistant/Associate Professor/#8361 (Nov. 15; the first of each month thereafter until search is closed); Assistant Professor/#8397 (Nov. 7; the first of each month thereafter until search is closed).

Languages & Literatures - Assistant Professor/#8410 (Nov. 15; every other Friday thereafter until search is closed).

Mathematics and Statistics - Assistant Professor/#8357 (Dec. 15; every week thereafter until search is closed); Assistant Professor/#8365 (Jan. 6; every week thereafter until search is closed); Assistant Professor/#8396 (Dec. 15; each week thereafter until search is closed).

Psychology - Assistant/Associate/Full Professor/#8402 (Dec. 15; biweekly thereafter until search is closed).

Religious Studies - Assistant Professor/#8409 (Nov. 1; every two weeks thereafter until search is closed).

School of Human Evolution & Social Change - Assistant Professor/#8406 (Nov. 15; every two weeks thereafter until search is closed).

School of Justice & Social Inquiry - Assistant Professor (two positions)/#8366 (Oct. 14; the first of each month thereafter until search is closed).

School of Life Sciences - Assistant/Associate Professor Neuroscience (two positions)/#8358 (Oct. 31; every week thereafter until search is closed); Assistant/Associate Professor/#8371 (Oct. 31; each week thereafter until search is closed).

Speech and Hearing Science - Assistant or Associate Professor of Speech-Language Pathology/#8356 (Oct. 7; every Friday thereafter until search is closed).

W. P. Carey School of Business, Finance - Assistant/Associate or Full Professor/#B1605 (Nov. 15; every first and 15th of each month thereafter until search is closed).

WEST CAMPUS

Faculty

College of Human Services - (Recreation & Tourism Management) Assistant Professor/#8412 (Nov. 7; the first and 15th of each month thereafter until search is closed); (Social Work) Associate/Full Professor/#8413 (Nov. 15; biweekly until the search is closed).

Graduate student positions

College of Human Services - (Center for Violence Prevention) Graduate Research Assistant/#P4672 (Oct. 15; the first and 15th of each month thereafter until search is closed).

McGrath Lecture Series

Wolfe's speech offers pearls of wisdom for professional educators

By Paula Miller

The College of Education welcomed back one of its most distinguished alumni at this year's McGrath Lecture Series, which took place Sept. 28 in Old Main's Carson Ballroom.

Guest lecturer Michael P. Wolfe, executive director of Kappa Delta Pi, made his presentation on the topic, "What Did You Learn in School Today?: Staying Alive Professionally in Education."

"We were delighted to welcome Dr. Wolfe back to Arizona State University," says Maggie Mangini, director of the Bureau for Educational Research and Services with ASU's College of Education and the planning committee chair for the McGrath Lecture Series. "He is a true leader in the field of education and is very passionate about educational professionals staying alive and motivated in their careers."

In 1971, Wolfe completed his doctoral studies in educational leadership from ASU's College of Education. He received his bachelor's degree at Beloit College and a

master's degree at the University of Wisconsin.

Kappa Delta Pi, headquartered in Indianapolis, is the international honor society in education and boasts more than 60,000 members.



Michael P. Wolfe

Wolfe also has been a public school teacher and program coordinator and has served as a professor of teacher education and administrator at Central Michigan University, Texas Christian University, and SUNY-Plattsburgh.

Wolfe also has authored more than 70 journal articles and book chapters on teacher effectiveness, school climate and effective schools.

His publications include co-authoring a book titled "Critical Incidents in School Administration," and co-authoring book chapters titled "The Future of Teacher Education" and "Models of Mentoring Practices in Teacher Education."

He also is co-editor of "The Life Cycle of the Career Teacher," "The Mission of the Scholar" and "The Life

Cycle of the Career Teacher in Practice," his most recent book.

The McGrath Lecture Series honors the founding dean of ASU's "modern" College of Education, Guy D. McGrath. McGrath served as dean from 1950 – 1968, during which time the institution was changed from Arizona State College to Arizona State University.

After ASU was established in 1959, McGrath was credited with developing ASU's first doctoral program, which was in the College of Education. He recruited a rapidly increasing faculty that addressed a national and international audience on education issues.

He continued to serve the college until his retirement in 1980.

"The McGrath Lecture Series is a fitting tribute to a leader who served at such a critical time in the ongoing history of ASU's College of Education," Mangini says. "Through this event, we are able to honor our past, celebrate our present and contribute to our future."

Miller, with the College of Education, can be reached at (480) 727-7262 or (paula.miller@asu.edu).



STACIE DANA PHOTO

Polytechnic students help hurricane evacuees

A donation drive sponsored by the Feral Friends student organization, plus student and staff volunteers, took place from 7 a.m. – 7 p.m., Sept. 24, at the Polytechnic campus. Donations of new and used clothing, household items, furniture and non-perishable food items were collected to be distributed to Hurricane Katrina evacuees in the Valley. The donation truck, dropped off by St. Vincent de Paul, was filled by the end of the day. More than 75 cars came by to drop off much-needed items.

College of Nursing co-sponsors walk-a-thon

By Sharon Keeler

In an effort to help improve the mental health of children and teens, the National Association of Pediatric Nurse Practitioners (NAPNAP) will hold its second annual KySS Across America Walk-A-Thon in six communities across the country, including Tempe, beginning at 8:30 a.m., Oct. 15. KySS (Keep your children/yourself Safe and Secure) is a national program of NAPNAP, founded and directed by Bernadette Melnyk, dean of ASU's College of Nursing.

The college, along with the Arizona NAPNAP chapter and the Beta Epsilon Chapter of Sigma Theta Tau International, is sponsoring the Arizona walk-a-thon. The 2.2-mile event raises visibility of children and teen's mental health issues, as well as funding for KySS. Registration is at 8 a.m. at the Wells Fargo Arena in Tempe. A registration and pledge form can be printed by going to the Web site (<http://nursing.asu.edu>).

According to the World Health Organization, half of all children and teens will have a mental health problem by 2020 unless something is done to change the way our society and health care system perceive, diagnose and treat these problems.

Many issues have contributed to the steady rise of mental health problems in children and teens, Melnyk says, including genetics; marital transitions such as divorce, poverty and violence; and low self-esteem and poor coping skills. One out of four children and teens in the United States – 13 million in all – are affected by a mental health or psychosocial problem, such as anxiety, depression and substance abuse, that interferes with their ability to function at home or in school.

"Less than 30 percent of these kids receive any treatment of these problems because of insufficient numbers of mental health providers, as well as inadequate health screening and early interventions," Melnyk says. "If we do not place more emphasis on treating and preventing mental health problems in childhood, we will only face them later with an even greater negative impact when these individuals are adults."



Bernadette Melnyk

Melnyk's commitment to improving the mental health of children and teens developed while practicing as a staff nurse in a pediatric intensive care unit. While there, she witnessed the psychological distress of critically ill children and their parents as they faced life-threatening and terminal illnesses and injuries.

Her passion deepened through her experience as a pediatric nurse practitioner on a child and adolescent inpatient psychiatric unit.

"I listened to the horrific stories of the children and teens on that unit who lived through years of psychological stress as the result of such factors as dysfunctional parenting, and physical and sexual abuse," Melnyk says. "I often struggled with why these children 'slipped through the cracks.'"

Conversations and data that she gathered through research revealed that pediatric health care providers did not screen routinely for these issues because of inadequate time, knowledge, skills and reimbursement, as well as the absence of mental health care providers for referral.

With the support and assistance of NAPNAP, she founded and launched KySS in 2001.

The mission of the program is to improve the mental health of children and teens throughout the United States by:

- Raising public awareness of the high incidence of mental health and psychosocial problems in children and adolescents.
- Correcting common misperceptions.
- Implementing preventive interventions targeted toward building resiliency, coping skills and self esteem in children and their parents.

A major purpose of KySS is to integrate mental health screening, interventions and prevention into pediatric primary care practices through education and skills training with primary care providers.

The funds raised from the event will be used to support educational initiatives on pediatric and mental health issues for the public and health professionals, as well as intervention programs to promote the mental health of children and teens. The KySS Walk-A-Thon also is taking place in West Lafayette, Ind.; Kansas City, Mo.; Kalamazoo, Mich.; Dayton, Ohio; and Oklahoma City.

Keeler, with Marketing & Strategic Communications, can be reached at (480) 965-4012 or (sharon.keeler@asu.edu).

Piper Center welcomes talks from memoirist, noted novelist

By Judith Smith

A memoirist and nonfiction writer, plus a noted novelist, will speak and read from their work in October as part of the Virginia G. Piper Center for Creative Writing's Distinguished Visiting Writers Series.

One lecture will take place at ASU, and the other will be at the Desert Botanical Garden.

On Oct. 6, memoirist, nonfiction writer and editor Lee Gutkind will give a free reading at 7:30 p.m. at Phoenix's Desert Botanical Garden, located at 1201 N. Galvin Parkway.

There will be a cash bar for this reading.

Gutkind is founder and editor of the popular journal *Creative Nonfiction*, the first and largest literary journal to publish nonfiction exclusively. His books include the award-winning "Many Sleepless Nights," an inside chronicle of the world of organ donation; "An Unspoken Art," a profile of veterinary medicine; and "The Best Seat in Baseball, But You Have to Stand," a book about major league umpires.

His memoir, "Forever Fat: Essays by the Godfather," partially was inspired by a *Vanity Fair* article pinpointing him as the "godfather behind creative nonfiction."

Gutkind founded the creative nonfiction program at the University of Pittsburgh. He helped found the low-residency MFA program in creative nonfiction at Goucher College and is director of the Mid-Atlantic Creative Nonfiction Writers' Conference at Goucher.

He also is the director of the new Santa Fe Creative Nonfiction Writers' Conference.

On Oct. 20, at 7:30 p.m., novelist Russell Banks will give a free reading at Old Main, Carson Ballroom, on the Tempe campus.

Two of his novels, "Affliction" and "The Sweet Hereafter," were adapted into feature films that received widespread critical acclaim.

Feature-film adaptations of his novels "Continental Drift," "Book of Jamaica" and "Rule of the Bone" are in development, and his novel "Cloudsplitter" is in development with HBO.

His most recent novel, "The Darling," was selected by *The New York Times Book Review* as a notable book of 2004, and the novel is the fall selection for the Piper Center's online book discussion group.

Banks has won a Guggenheim Fellowship and the Literature Award from the American Academy of Arts and Letters.

For more information about the lectures, call Salima Keegan at (480) 965-1243, or go to the Web site (www.asu.edu/pipercenter).

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