Starting kindergarten later gives students only a fleeting edge

New findings

Economics professor Darren Lubotsky says older kindergartners fare better academically largely because they learn more before starting school, not because age improves aptitude.

“If we are true that older kids are able to learn at a faster rate, then the differences in test scores get bigger as kids progress and the material gets more difficult. But we really see the opposite,” Lubotsky says.

The findings counter decades of research linking age to academic achievement that has led states to push back kindergarten entrance age deadlines and convinced more parents to start children later than the once-traditional age of 5.

In 2002, nearly 21 percent of 5-year-olds were not yet enrolled in kindergarten, up from less than 10 percent in 1980, according to the study, co-written by former UI economist Todd Elder, now a professor at Michigan State University.

Though older students have an early edge based on an extra year of skill development, the study maintains that older and younger students learn at the same pace once they enter school, based on a review of federal education data.

The study found, for example, that older kindergartners scored 10 to 12 percent points higher than younger peers on standardized reading tests, but the gap narrowed to less than 4 percentage points by eighth grade.

“Kids learn a lot before kindergarten, especially if they’re in preschool. One way to think about it is that the oldest kid in kindergarten has about 20 percent more life experience,” Lubotsky says. “But once they start, they basically learn at the same rate.”

Based on the findings, Lubotsky says parents and lawmakers need to weigh costs and benefits as they consider when to start kids in kindergarten.

“Older kids may do better at first, but then they’re trade-off,” he said. “They’re also a year in school behind other kids their own age. At the end of the line, somehow that year will catch up to them. They start a year later, and parents have an extra year of childcare costs if they delay entry. So it’s not free.”

Lubotsky says the study also found that wide age gaps caused by holding kids back from kindergarten have both positive and negative effects on older students.

Youth who enter school later tend to score higher on tests when they have older classmates, who may help tutor their peers or simply set higher standards that others seek to achieve, Lubotsky said.

But the study also found that having rich classmates makes it more likely that younger peers will be held back or diagnosed with learning disorders such as attention deficit disorder.

“What we think is going on is that teach-ers seek to achieve, Lubotsky said.

But the study also found that having rich classmates makes it more likely that younger peers will be held back or diagnosed with learning disorders such as attention deficit disorder.

Blind staff member creates Braille diploma for recent grad

By Melissa Mitchell

News Bureau Staff Writer

C hristie Lynn Gilson recently graduated from the UI with a doctorate in special education. Because she is legally blind, she wouldn’t have been able to read her own diploma without the assistance of some dedicated university staff members.

When she was finishing her graduation plans, she asked a staff member in the records division of the Office of Admissions and Records if she could receive a Braille diploma. It was the first time staff member Pam Santic – or anyone else in the office – recalled receiving such a request.

Santic brought Gilson’s inquiry to the attention of campus registrar Carol Malmgren, who directed Santic to seek assistance from the UI’s Disability Resources and Educational Services division in the College of Applied Health Sciences.

Answering the call at DRRES was visualization coordinator Bryan McMurray.

McMurray, who is blind, said he believes the diploma he was able to create for Gilson is the first of its kind awarded by Illinois. It may even be the first given by any university, though McMurray said he’s not certain of that.

He said the reason a request for a Braille diploma is so infrequent is that in the 1980s, there was a trend in schools to begin phasing out the use of Braille in favor of speech-recognition technologies.

McMurray said, however, that that reasoning is missing a key factor – preferring the more tactile experience of being able to read actual text.

“There’s a resurgence now in Braille use,” McMurray said. “Pecora DIPLOMA, Page 2

Web alert will provide critical information during campus emergency

By Sharrta Forrest

Assistant Editor

A new emergency alert system that will warn members of the campus community about highly dangerous situations through messages on many campus Web pages is being put into effect at the Urbana campus.

In the event of an emergency that poses significant and imminent threat of death, greatly bodily injury or significant property damage, Public Affairs will post an alert through the Emergency Web Alert System, which will generate pop-up messages on the Web pages of units that have chosen to participate in the program.

When the system has been activated, a red message box will appear (on properly coded pages) describing the nature of the emergency and providing a link to further information. When the user closes the alert message box, an emergency status page will open in a new browser window, and Public Affairs will post updated information on that page to keep the campus community informed of the situation progresses.

This is only a test... Public Affairs will conduct a campuswide test of the Emergency Web Alert System at 10 a.m. Sept. 2 in conjunction with the monthly sirens tests.

Web pages that have the code embedded will display a test message. The test will last about 10 minutes.

The goal is to have the system on as many campus Web pages as possible to ensure that emergency messages are widely disseminated when Chancellor Richard Herman authorizes activation of the system, said Robin Kaler, associate chancellor for public affairs. “However, the (Web alert system) is just one of seven WEBS ALERT, Page 8

Ant hierarchy

Research shows that nature and nurture play a major role in determining the fate of the Florida harvester ant.

Book reviews

UI Press publishes more than 120 books and 30 scholarly journals every year on an array of subjects.

INDEX

BRIEF NOTES 5

CALENDAR 7

DEPARTMENTS

On The Web

www.news.uiuc.edu/ii
Water is ‘designer fluid’ that helps proteins change shape

By James E. Kloeppel
News Bureau Staff Writer

A ccording to new research, old ideas about water behavior are gaining new meaning. Ubiquitous on Earth, water has been found in comets, on Mars and in molecular clouds in interstellar space. Now, scientists say this common fluid is not as well understood as we thought and in some ways, does not even exist within our bodies,” said Martin Gruebele, a William H. and Jane E. Lycan Professor of Chemistry at the UI. “Water in our bodies has different physical properties from ordinary bulk water, because of the presence of proteins and other biomolecules. Proteins change the properties of water to perform particular tasks in different parts of our cells.”

Consisting of two hydrogen atoms and one oxygen atom, water molecules are by far the body’s largest component, constituting about 75 percent of body volume. When water and proteins, water molecules participate in a carefully choreographed ballet that permits the proteins to fold into their functional, native states. This delicate dance is essential to life.

“It's well known that water plays an important role in the folding process, we usually only look at the motion of the protein itself,” said Gruebele. “Here, we have looked at how water molecules move in response to changes in the structure of proteins.”

Using a technique called terahertz absorption spectroscopy, Gruebele and his collaborator, Martha Havenith at the Ruhr University Bochum studied the motions of water on a picosecond timescale (a picosecond is 1 trillion of a second). The technique, which uses ultrashort laser pulses, also allows the researchers to study the motions of nearby water molecules around the protein as it folds into its native state.

The researchers present their findings in a paper published July 23 in the online version of the journal Angewandte Chemie. Terahertz spectroscopy provides a window on protein-water rearrangements during the folding process, such as breaking protein-water hydrogen bonds and replacing them with protein-protein hydrogen bonds. Gruebele said the remaking of hydrogen bonds helps organize the structure of a protein.

“Water can be viewed as a ‘designer fluid’ in living cells,” Gruebele said. “Our experiments showed that the volume of active water was about the same size as that of the protein. The diameter of a single water molecule is about 3 angstroms (an angstrom is about one hundred-millionth of a centimeter), while that of a typical protein is about 30 angstroms. Although the average diameter of a water molecule is 1,000 times the volume, larger proteins can hold hundreds of thousands times the volume. A single protein can therefore affect, and be influenced by, thousands of water molecules.

“We previously thought proteins would affect only those water molecules directly stuck to them,” Gruebele said. “Now we know proteins will affect a volume of water comparable to their own. That’s pretty amazing.”

With Gruebele and Havenith, co-authors of the paper are graduate student Seung-Joon Kim at the UI and graduate student Benjamin Born at the Ruhr-University Bochum.

Funding was provided by the Human Frontier Science Program and the National Science Foundation.

Two Illinois researchers among world’s top young innovators

By James E. Kloeppel
News Bureau Staff Writer

T wo researchers at the UI – Martin D. Burke and Nicholas X. Fang – have been chosen as two of the world’s 35 Top Young Innovators by Technology Review, the world’s oldest technology magazine.

Selected by the editors of the magazine published by the Massachusetts Institute of Technology, the TR35 consists of people under age 35 whose innovative work in technology and business has a profound impact on today’s world. Nominees are recognized for their contribution in introducing or changing the nature of technology in industries such as biotechnology, computing, energy, manufacturing, medicine, nanotechnology and transportation.

Burke, a professor of chemistry, is developing a new way of thinking about constructing organic molecules that uses only one reaction iteratively to stitch together a collection of off-the-shelf building blocks. This iterative cross-coupling approach is simple and flexible, and could enable faster discovery of a wide range of materials and medicines. Burke’s work focuses on harnessing the power of this strategy to discover new molecules that can replicate the functions of missing proteins that cause disease, thereby acting as “molecular prosthetics.”

Fang is a professor of mechanical science and engineering, and a researcher at the Beckman Institute. In his work, Fang seeks to bridge new frontiers in nanophotonics and nanomanufacturing. His research endeavors to develop technologies for focusing light and sound at the nanometer scale, and using them for imaging and nanofabrication. This technology could lead to revolutionary methods for diagnosing living cells with molecular scale details, and for non-destructive screening of drugs and biological materials.

“The TR35 honors young innovators for accomplishments that are poised to have a dramatic impact on the world as we know it,” said Jason Pontin, editor-in-chief and publisher of Technology Review. “We celebrate their success and look forward to their continued advancement of technology in their respective fields.”

Fang and the other TR35 winners for 2008 will be featured in the September issue of Technology Review.
what challenges do local law-enforcement officers face in investigating computer-related crimes?

welch: the problem is that the patrol officers who are the first responders on these computer crimes don’t have expertise (with computers). like any other crime scene, the first moment of contact is critical, and they’ve got to gather as much evidence as possible. usually there’s someone back at police headquarters who knows something about computers, but by the time they’re involved, it’s too late to get the evidence. we’re developing a tool called live computer capture and triage tool that helps them do that.

how does the tool work and how does it help officers investigate cyber crimes?

butler: it’s a program on a usb drive that the officer plugs into the computer, and all the expertise they need is to be able to do that and to use the keyboard. the program runs and captures information on about 30 things, such as processes that are running, registry entries related to instant-messaging clients, software that’s installed on the computer and open network connections. the information may or may not be relevant to each individual case but the cross-correlation with other information that’s gathered could be pretty valuable in the investigation. you have only one opportunity to get that information, so you need to get it early.

welch: once that’s run, a graphical interface—basically wizard—pops up that asks the officer what type of crime they’re investigating, and then it walks them through the process of gathering information, such as e-mail messages and saving them to the usb drive. it replicates the knowledge that a computer expert would have in that situation and lets the officer capture what they need. they then take the usb drive and data back to their computer expert to examine and decide if it’s something they need to follow up on. this way, all that information from that initial contact isn’t lost.

butler: what we’ve found from interview- ing law-enforcement agencies and working with them on investigations is that often times the data they need to capture is sitting on a server somewhere else—it’s web-based e-mail or it’s on a social networking site. even a computer expert isn’t going to be familiar with every possible scenario, so that’s why law-enforcement agencies need a process that walks novice users through getting the information. we’re trying to simplify that for them.

are there similar products available?

butler: i think the thing that differentiates this tool from related products is the wizard, which takes over and walks the first responder through gathering evidence according to various scenarios: e-mail threats, instant-messaging or social networking.

have you tested it with your users and, if so, what was their reaction?

welch: we had a patrol officer and an investigator from the urbana police department work through a couple of scenarios with a prototype. now we’re taking that feedback, and figuring out the priorities for improving the tool. we’ll be repeating that a number of times with different law-enforcement agencies over the next year, when we plan to have the final product available.

butler: the test with the urbana police was a real success because we got great feedback.

editor’s note: the live computer capture and triage tool project is funded by a two-year, $500,000 grant from the national institute of justice.

a minute with... ™

by diana yates

news bureau staff writer

earlier this month, federal authorities announced the largest computer hacking case ever processed by the justice department: the indictments of 11 people who allegedly stole more than 40 million credit- and debit-card numbers from at least nine major u.s. retailers. local law-enforcement agencies frequently are the first responders when individuals and organizations report credit-card fraud and identity theft. randy butler, left, and von welch, the co-directors of the cybersecurity directorate at the u.s. national center for supercomputing applications, work with law-enforcement agencies in investigating crimes that occur in cyberspace. they discussed their work with news bureau reporter sharietta forrest.

researchers trying to determine whether nature or nurture determines an ant’s status in the colony have found a surprising answer. both. nature (that is, the ant’s genetic makeup) and nurture (what it eats, for example) play a role in determining the fate of the florida harvester ant, pogonomyrmex badius, a resilient creature found in many parts of the southeastern united states.

the research team included scientists from the ui, the university of arizona, linfield college and arizona state university. the findings appear this month in the american naturalist.

in the hierarchy of an ant colony, status is everything. if you are a “gyne” and thus a worker, are about eight times heavier than minors. if you are a worker, you must be ready to sacrifice your health, welfare and reproductive capacity for the betterment of the colony.

the researchers were drawn to p. badius because its social structure is more complex than most. its caste system includes two categories of workers: majors and minors. major workers are nearly four times heavier than minors, but the minors outnumber them by 20 to 1. gynes (pronounced jines) are more likely to become major or minor workers.

our study shows that there is a large genetic component to caste determination, but that there is also a very strong environmental component,” the researchers said.

the researchers found that the genetic makeup of the colonies they studied was quite diverse. the average p. badius queen had mated with at least 20 males (the norm for ants is one to five). the genetic analysis also suggested that the offspring of most males could develop into any caste, but that some male lineages (patrilines) were more likely to become gynes while others were more likely to become major or minor workers.

a recent study of honey bees found that colonies with a lot of genetic diversity were better at nest building and finding and storing food than their less diverse counterparts.

it was long assumed that castes are environmentally determined, but recent studies on pogonomyrmex harvester ants have found colonies in which becoming a worker or gynae is determined exclusively by genetic differences. such rigid constraints

“basically what we found is that things are more complicated than previously thought,” said christopher r. smith, a former graduate student in the school of integrative biology at illinois and corresponding author on the study.
ANTS, CONTINUED FROM PAGE 3

the colony’s ability to adaptively adjust to environmental realities. For example, colonies that have few workers and yet produce more successful in a changing environment. On the other hand, colonies that can produce more workers when resources are scarce and more gynes when re-sources are comparing younger kids and older classmates and the young kids tend to stand out,” Labotsky said. “They stand out either as not doing as well or they tend to stand out as being more hyperactive.”

“Older kids do better at first and younger kids do worse, but they catch up,” he said. “The thing is schools are making profound decisions based on these differences – differences that tend to fade away.”

Labotsky says follow-up research is planned to determine whether the academic advantages of age continue to decline through high school.

“It’s clear the pattern is these academic differences get smaller as kids get older,” he said. “It doesn’t seem reasonable to us if they are immature, can’t sit in class or have other issues that could affect learning. If they are immature, can’t sit in class or have other issues that could affect learning.”

“Kids get so much more out of just learning,” he said. “We are an important link between scholarship and knowledge that determines the trajectory of an individual assimilated during larval growth and is a specific isotope of nitrogen in their foods. They would also ingest more of the top of the dietary food chain and had more nitrogen content and were eating primarily eating higher or lower on the food chain. Researchers could tell whether individual ants were eating higher or lower on the food chain. They can produce more workers when resources are scarce and more gynes when food is plentiful. “Flexibility in caste determination is essential as it allows the colony to respond to changes in need or environmental fluctuations,” said principal investigator Andrew Suarez, an Illinois professor of animal biology and of entomology and an affiliate of the Institute for Genomic Biology.
**Sinfonia da Camera celebrates 25 years**

The UI’s Sinfonia da Camera will mark its 25th sea-son this year with a series of concerts featuring a musical mix of classical favorites, returning guest artists, highlights of past programs and performances of new works and orchestrations.

Sinfonia da Camera, under the direction of Riccardo Herrera, will be shut off nationwide for the switch to digital.

The season officially begins on Oct. 4 at Krannert Center with a Spanish-themed concert featuring UI mu-sic professor and bass-baritone Ricardo Herrera. Pro-gram highlights include Maurice Ravel’s “Bolero” and “Toreador Song,” from Georges Bizet’s “Carmen.”

Additional 2008-09 performances, all at Krannert Center, are scheduled for Nov. 8, Feb. 7, March 7, April 3 and May 3.

Encore performances from previous concert seasons include all six of Johann Sebastian Bach’s Brandenburg concertos, on Nov. 8; and on March 7, “The Barber of Seville Overture” by Rossini.

Also on March 7, the program will include a guest appearance by pianist Menahem Pressler, who has per-formed with Sinfonia as a soloist and as a member of the Beaux Arts Trio. Pressler, who will give one of his final performances before retiring, will present Mozart’s Pi-ano Concerto No. 17 in G major, which the composer’s pet was said to have learned to sing. Also on that program will be “The Machine Awakes,” a new work by UI music professor Stephen Taylor that was inspired by the English novel and Richard Powers’ novel “Galatea 2.2.”

The season culminates on May 2 with another premiere: Hobson’s orchestration of Ignazio Moscheles’ Piano Con certo No. 8, which the Sinfonia musical director orchestrated from notes found scrawled on an original piano score. The composition will be part of a four-volume set of piano con certo and other works by Moscheles that have never been recorded in their entirety.

In addition to its regular season concerts, Sinfonia will perform in three collaborative productions at Krannert Center: On Oct. 8 in a faculty recital of works by Romanian composer George Enescu, with UI music professor and violinist Stefania Lupu; with the Champaign-Urbana Ballet in the annual holiday perfor mance of Tchaikovsky’s “The Nutcracker Suite,” Dec. 5-7; and with the Mark Morris Dance Group during the troupe’s inaugural tour of “Roméo & Juliet,” On Motifs of Shakespeare,” featuring a restored score of Sergei Prokofiev’s “Roméo and Juliet” suite, on March 13 and 14.

**ON THE WEB**

Sinfonia da Camera

www.sinfonia.uiuc.edu

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**Voice mail outage**

Messages retrievable through Sept. 8

UI campus voice mail users are reminded that they can retrieve messages via the toll-free number 244-0505. This service will be available through Sept. 8.

Although the voice mail system became fully operational Aug. 10, messages received prior to the outage are no longer retrievable by calling the Message Center (244-0505).

No new messages were recorded during the outage.

The toll-free number will allow those with voice mail accounts to hear the messages stored in their voice mail boxes as of the morning of Aug. 8. They will not be able to reply to, resend or erase messages through this number, so it is suggested those listening to messages be prepared to write down any pertinent information.

Those needing to call the 800 number to hear their messages are asked to first call CITES Communications Cust omer Service at 333-1161. Staff members will share the 800 number and then work with individuals to make re trieval easier.

The 800 number will be available through Sept. 8.

Allerton Music Barn Festival

Tickets still available for music festival

Tickets are still available for the four-day Allerton Music Barn Festival, which takes place over Labor Day Weekend (Aug. 29-Sept. 1) at the UI’s Allerton Park and Retreat Cen ter near Monticello.

Organized by the UI School of Music, the event opens at 7 p.m. on Thursday, “Revered Cool,” a new concert fea turing the music of the original Mile Davis/Gil Evans col laboration “Birth of the Cool” combined with new works written for the same nonet instrumentation.

Throughout the festival audiences can sample a diverse mix of North and South American and Eastern and Western European music – from classical to klezmer and beyond.

“Music speaks for itself,” said music director Karl Kramer.

Tickets may be purchased through the festival’s website, www.allertontmusicbarn.com, or from the Krannert Center for the Performing Arts ticket office, 333-6260 or 1-800-527-2849.

Last year’s inaugural festival required concert-goers to purchase both tickets and food; this year music and food – for online version

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BRIEFS. CONTINUED FROM PAGE 5

UI Archives will curate an exhibit of materials depicting campus life that may be viewed that evening.

This event is co-sponsored by the UI Alumni Association, and the UI Archives’ Student Life and Culture Archival Program, funded by the Stewart S. Howe Endowment.

Youth Media Workshop

Radio portraits examine relationships

For Urbana High School student Jason Knight, the act of recording an interview was the inspiration to find out more about someone he had known for years – his saxophone teacher.

“Media. That’s what it took to really get me to ask questions and get to really know other people and what they’re all about,” said Knight, a participant in WILL’s Youth Media Workshop. Knight’s interview is included in a new series being broadcast in September on WILL-AM (580).

The series, “Inspiration Radio: Relations that Matter to Youth,” gives listeners a fly-on-the-wall perspective of the relationships that sustain young people. Students from Urbana High and Edison Middle School in Champaign spent the last school year interviewing the people closest to them, including siblings, teachers and parents.

The students edited those interviews into radio stories that will be broadcast in September on Mondays and Wednesdays at 4:45 p.m. and Saturdays and Sundays at 8:34 a.m.

Keri Carpenter, a journalism major at the UI who worked closely with the students, says the project gave the students permission to talk to adults in their community in new ways. “Jason interviewed his saxophone teacher, and normally he just goes there to have his lesson for a half hour or an hour,” Carpenter said. “Asking teachers about their personal lives, and what they are doing and how they got to be where they are, lets young people connect with teachers or an hour,” Carpenter said. “Asking teachers about their personal lives, and what they are doing and how they got to be where they are, lets young people connect with teachers and primarily features new work by retired and/or former Illinois artists, and design faculty members. I’m doing a repeat of the ‘New Tricks by the Old Dogs’ show that was so successful at the Cinema Gallery two years ago,” said gallery owner Carolyn Baxley. “I decided to do this sequel because there were so many requests for it and because local collectors really seem to value the work these artists are still doing.”

Participating artists with UI connections include Roger Blakely, Glenn Bradshaw, Harry Breen, Lee Chesney, Don Fruth, Frank Gallo, Leo Gracza, James Lynch and Dennis Rowan. Former Parkland College faculty members Jack Ekstrom and Don Lake will exhibit their work in the show as well.

The exhibition also will include work by deceased当代ary contributors of the UI artists: David Bushman, C.W. Briggs, George Foster and Bill Buxton.

One piece, a 10 x 60 inch mixed media collage titled “For David,” by Rowan, was created as a tribute to Bushman, who died this year.

“We worked together for a long period of time, and often played off each other a bit,” Rowan said. “David has been an amazing artist – one of the best that came out of the UI.”

An opening reception for “Old Dogs Redux” is planned for 6-8 p.m. Aug. 30 at the gallery, 120 W. Main St., Urbana. The exhibition will be on view through Sept. 27.

Not to be outdone by the four-legged variety, two-legged friends will be the focus of another pack – with ties to the UI School of Art and Design – as several students will be recognized at the Dads Association Annual Banquet on Oct. 31. Nominees also are invited to attend as guests of the association.

All nominations must include two letters of support and a cover letter to assist the nomination committee in its selection. Online nomination forms are available at www.uofiaparentprograms.uiuc.edu/dads/dads_nominations.htm, or contact the Parent Programs Office, 227 Illini Union, MC-384.

Nanotechnology workshop is Sept. 4-5

Illinois has been at the forefront of nanotechnology research covering a wide array of topics and applications that are likely to have profound impact on virtually all aspects of our lives in the future,” said Irfan Ahmad, associate director of the Center for Nanoscale Science and Technology at Illinois. As a leader in nanotechnology research and development, the center will host its Nanotechnology Workshop 2008, Sept. 4-5, at the Beckman Institute and the Micro and Nanotechnology Laboratory on the UI campus.

This year’s event also will include the formal dedication of the recently expanded Micro and Nanotechnology Laboratory at 208 N. Wright St., Urbana. Completed earlier this year, the $18 million expansion funded by the state of Illinois added lab space for bio nanotechnology, plus additional space for researchers, classrooms and meetings. As part of the building dedication, the artwork depicting light-emitting diodes located in the atrium will be inaugurated.

“The expansion of the laboratory makes it the par excellence university-based facility for semiconductor, nanotechnology and biotechnology research,” said MNTL director Rashid Bashir, a Bliss Professor of electrical and computer engineering and of bioengineering.

The featured plenary session speaker for the workshop and dedication is Arden Bement Jr., director of the National Science Foundation. Workshop speakers, panel discussions, and student posters will cover several different themes: nanoelectronics, nanophotonics, nanomaterials, nanoscale energy, bio nanotechnology, nanomedicine and environmental implications of nanotechnology.

For more information or to register for the workshop, present a poster or attend the dedication, go to www.cnst.illinois.edu/nanoworkshop2008.htm.

ON THE WEB

Oskee Bow Wow

www.vetmed.illinois.edu/advancement

Oskee Bow Wow benefits animal health advances

The third annual Oskee Bow Wow invites pets to bring their people from 6 to 8 p.m. Sept. 4 at the UI College of Veterinary Medicine. Proceeds will support the college’s Companion Animal Memorial Fund, which promotes animal health and veterinary education.

Guests of the two-legged variety will have an opportunity to speak with experts making advances in animal health care. There also will be tours of the UI Veterinary Teaching Hospital, the state’s premier veterinary referral center, where more than 80 veterinarians – from surgeons and oncologists to dermatologists and dentists – care for more than 16,000 animals every year.

Guests will be able to tour the UI Veterinary Teaching Hospital, the state’s premier veterinary referral center, where more than 80 veterinarians – from surgeons and oncologists to dermatologists and dentists – care for more than 16,000 animals every year.

Arts removed for online version

Artists with UI connections featured in local ‘Old Dogs’ exhibition

“Aluminum,” Roger Blakely, cast bronze, 7” X 8” X 3.5”
**calendar of events**

**Aug 21 to Sept 7**

**Lectures**
- **4 Thursday** Smith/Group Lecture: “More Than a Picture: The Visual Expression of Science.” Felice Frankel, Yale University. 4 p.m. 404 Siebel Center. Computer Science.
- **28 Thursday** “How do the Emergins Implant?” Milan Buyck, UI. Noon. 112 Chemical and Life Sciences Lab. Molecular and Integrative Physiology.
- **29 Friday** “Imaging Protein Assembly and Trafficking in Live Cells Without Fluorescent Proteins.” Alanna Schepartz, Yale University. 3 p.m. 116 Roger Adams Lab.

**Workshops**
- **2 August** “An Equivalent Problem Application.” Anh Ta, UI. 4 p.m. 112 Roger Adams Lab.

**Colloquiums**
- **2 Tuesday** “Element-Element Activation Using NHC Stabilized Nickel Complexes.” Udo Radius, University of Calgary. 4 p.m. 112 Chemistry Annex. Inorganic Chemistry.

**Wednesday**
- **16 noon** “An Equivalent Problem Approach in Optimization.” George Leitmann, University of California, Berkeley. 3 p.m. 116 Roger Adams Lab. Computer Science.

**Friday**

**Lessons From LPS: Why Gram-negative Bacteria Cause the Diseases They Do.” Robert Berns, UI. 4 p.m. 112 Chemical and Life Sciences Lab. Microbiology.

**Friday**

**Music**

**Saturday**

**Special Events**
- **29 Friday** Duo-Flano Recital. Jinah Lee and Sang-soo Cho. 7:30 p.m. Recital Hall, Smith Hall.

**Saturday**
- **6 Saturday** Sunday Siempre, Chicago, 307 E. John St., Champaign. Cosmopolitan Club.

**Sports**
- **28 Sunday** Sports. Illinois Challenge Cup. 11 a.m. Memorial Stadium. For more information, call 333-8747.

**Exhibits**
- **30 Saturday** “Collection the Occult Society.” Through Aug. 31. Hallway, main Library.
- **30 Saturday** “Japan in America: The Turn of the Twentieth Century” Hallway, main Library.

**Calendar**

**Aug 21, 2008**

InsideIllinois PAGE 7

Much of this information is drawn from the online Campus Calendars on the UI Web site at http://illinois.edu/find/calendars.html. Other calendar entries should be sent 15 days before the desired publication date to insideil@uiuc.edu. More information is available from Marty Yeakel at 333-1085.

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WEB ALERT, CONTINUED FROM PAGE 1

more calendar

CALENDAR, CONTINUED FROM PAGE 7

menu: www.beckman.uiuc.edu/services/cafes.php.
Bevier Café/ Bevier Café Too Will reopen in September.
Campus Recreation ARC, 201 E. Peabody Drive, Champaign.
CRCE, 1102 W. Gregory Drive, Champaign.
Center for Teaching Excellence Campuswide service unit responsible for assisting faculty, academic units and teaching assistants in improving instruction. The staff consults and advises on a variety of instructional issues. For more information, www.cte.uiuc.edu.
English as a Second Language Course 7-8:30 p.m. LIDS Institute Building, 402 S. Lincoln Ave., Urbana. Weekly on Thursdays.
Illini Union Ballroom Reopens Aug. 25. 11:30 a.m.-1 p.m. Monday-Friday. Colonnial Room. For reservations, 333-6800; walk-ins welcome. Menu online at www.housing.uiuc.edu/dining/menu/colonnial.html.
Japan House For a group tour, 244-9934. Tea ceremony: second and fourth Thursday of the month. $5/person.
Kinkead Pavilion Re opened Aug. 3. Tours: By appointment, call 244-0516. Gallery hours: 9 a.m.-5 p.m. daily. The Kinkead Pavilion was recently renovated and is available for private events. Call for more information.
Kroan Art Museum and Kinkead Pavilion Reopened Aug. 3. Tours: By appointment, call 244-0516. Gallery hours: 9 a.m.-5 p.m. daily. The Kroan Art Museum includes a significant collection of African contemporary art. Call for more information.

organizations

Assocation of Academic Professionals For events: www.ianaea.org/local/napa.
Book Collectors’ Club – The No. 44 Society 1 p.m. First Wednesday of each month. Rare Book and Manuscript Library, 346 Main Library. Info: 333-3777 or www.library.illinois.edu/bks/n44.htm.
Council of Academic Professionals Meeting 1:30 p.m. First Thursday of the month. Location varies. More info: www.cap.uis.edu or mpj@illinois.edu.
UIUC Fungi Data Practice group 2:30-5:30 p.m. each Sunday. 405 Illini Union. More info: 244-2571.
French Department: Pause Café 6 p.m. Thursdays. Espresso Royale, 1117 W. Oregon St., Urbana.
Illini Folk Dance Society 8-10 p.m. Tuesday and some Saturdays, Illinois Union Beginning welcome: 398-6606. Italian Table Italian conversation Mondays at noon. Intermezzo Café, KCPA.
Lifetime Fitness Program 6:30-8:30 p.m. Monday-Friday. CRCE, 1102 W. Gregory Drive, Urbana. Kinesiology and Community Health. 333-2461.
Nonfiction Person’s Book Discussion Group 7 p.m. 17 Illini Union. More info: 355-3167 or www.library.illinois.edu/booksey.
Secretariat 11:45 a.m.-1 p.m. third Wednesday monthly. For location and more info: www.illinois.edu/secretariat.
The Deutsche Konversationsgruppe 1-3 p.m. Wednesday. The Bread Company, 706 S. Goodwin Ave., Urbana. The Illinois Club Open to male and female faculty and staff members and spouses. For more info: www.illinoisclub.org.
UIUC Deco Poetry and fiction reading, 7:45 p.m. Third Thursday of each month. The Bread Company, 706 S. Goodwin Ave., Urbana.

WEB ALERT, CONTINUED FROM PAGE 1

eral means of alerting people. We can also disseminate information through local media, through the text messaging system that was implemented last year, through mass e-mail, the storm sirens and loudspeakers on police cars. De- pending upon the level and type of emerg- ency, we can use any combination.

“Of all them, the text messaging and (Web alerts) will be used the most sparingly because the last thing we want is to do is over-use them and have people ignore them. If people see the pop-up messages on their computers or receive text-messages on their phones or other devices, they need to pay attention,” Kaler said.

The Office of Web Services is available to answer questions: 244-8639 or webservices@illinois.edu. Webmasters are being asked to fill out a form for tracking code implementation. The form is available at http://illinois.edu/goto/ewasform.

deaths

Robert C. Fonner, 91, died Aug. 12 at the Piatt County Nursing Home in Monticello. He worked for the UI Housing Division for more than 40 years as a maintenance supervisor. In the early 1960s, he assisted with the opening of Assembly Hall. Mem- orials: Faith United Methodist Church, 1719 S. Prospect Ave., Champaign, IL 61820 or the Elks Crippled Children Fund, 102 Meat Sciences Lab. 1-5:30 p.m. Monday-Saturday; one hour before until after performances. Karamnent Uncovered: Wine tatt- ling at 5 p.m. most Thursdays. Intermezzo Café: Open 7:30 a.m.-5:30 p.m. on non-perform- ance weekdays. 7:30 a.m. through weekday performance weekends from 90 minutes before until after performances. Promenade gift shop: 10 a.m.-6 p.m. Monday-Saturday; one hour before until 30 minutes after performances.

Library Tours
Self-guided of main and under- graduate libraries: go to In- formation Desk (second floor, main library) or Information Service (undergrad lib- rary).

Meat Salesroom
102 Meat Sciences Lab. 1-5:30 p.m. Tuesday and Thursday; 8 a.m.-1 p.m. Friday. For price list and specials, 333-3404.

Robert Allerton Park
Open 8 a.m. to dusk daily. “Al- lerton Legacy” exhibit at Visitors Center. 9 a.m.-5 p.m. daily. For more information, call 333-3287 or visit www.continuinged.uiuc.edu/allerton.

Robert Allerton Park

The Konversationsgruppe

1-3 p.m. Wednesday. The Bread Company, 706 S. Good- win Ave., Urbana.

The Illinois Club

Open to male and female fac- ulty and staff members and spousers. For more info: www. illinoisclub.org.

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Page 8 InsideIllinois Aug. 21, 2008