Nancy E. Cantor, a distinguished scholar and experienced academic official, will be the next chancellor of the University of Illinois at Urbana-Champaign. Pending approval by the UI Board of Trustees, Cantor is expected to begin work in August. Cantor, 49, is now provost and executive vice president for academic affairs at the University of Michigan in Ann Arbor.

UI President James J. Stukel will formally recommend Cantor to the board for its approval next month.

Stukel and the board met with her last week in Chicago; they will introduce Cantor to the campus and community April 24.

“Nancy Cantor has everything that the UI at Urbana-Champaign, one of the world’s great public universities, deserves,” Stukel said. “She has star power in her own discipline of psychology. She is an experienced academic leader at two great – and quite different – American universities. She understands the core values of the campus and the overriding ethos of excellence. Finally, she is enthusiastic, has high energy and understands the commitments we make to our many constituents – from students to taxpayers, from alumni to legislators. She has it all.”

Cantor earned a bachelor’s degree from Sarah Lawrence College in 1974 and, four years later, a doctorate in psychology from Stanford University. She immediately joined Princeton University’s faculty, where she was tenured within three years.

She joined the University of Michigan faculty in 1983 as an associate professor and, in succession, was full professor, research scientist and associate dean before returning in 1991 to Princeton, where she also chaired the psychology department, 1992-96. In 1996 she returned to Michigan as dean of the graduate school and vice provost for academic affairs. The next year she was named provost and executive vice president; she is also professor of psychology and senior research scientist in the Institute for Social Research, one of Michigan’s best-known and respected centers.

Being chancellor at UI’s Urbana-Champaign campus is a rare opportunity, she said, and one she couldn’t pass up.

“Nancy Cantor to the campus and community. The time and place will be announced this week.”

SEE CANTOR, PAGE 2

Michigan provost to be UI chancellor

By Jim Barlow
News Bureau Staff Writer

Herbert E. Whiteley, the head of the department of pathology and veterinary science at the University of Connecticut, will return to the UI as the dean of the College of Veterinary Medicine, pending approval of the UI Board of Trustees at its meeting May 23-24 in Springfield.

Whiteley, 49, was a faculty member in the UI department of veterinary pathology from 1984 to 1995. He served as interim department head in 1994. Whiteley also had been a member of the UI graduate program in neuroscience and the neuronal pattern analysis group at the Beckman Institute for Advanced Science and Technology.

Whiteley will assume his new duties on Aug. 21. He replaces Victor E. “Ted” Valli, who is retiring. Valli has served as dean of the college since January 1989 and will continue to serve until Aug. 20.

Hert Whiteley is a proven administrator, has a strong research background and is held in high regard nationally,” Provost Richard Herman said. “We believe that these fine qualities all point to his ability to lead the College of Veterinary Medicine to greater levels of excellence.”

Whiteley has served as a professor and sees VET MED DEAN, PAGE 2

Whiteley to return to campus as dean of College of Veterinary Medicine

By Craig Chamberlain
News Bureau Staff Writer

The campus that led the way 50 years ago in making college accessible to people with disabilities now promises to play a lead role in disability-related research.

On April 26, a new national Disability Research Institute (DRI) officially will open at the UI, funded by a grant from the U.S. Social Security Administration (SSA). High-level research partners from across and beyond the campus already are in place, and more are being sought.

The opening will be marked on April 26 with a reception from 4:30 to 6:30 p.m. in the new, temporarily named Z Building, 1901 S. First St., Champaign, just south of the new Motorola building in the South Research Park. A formal presentation will be held at 5:30 p.m.

The formal opening will come at the end of a daylong symposium on the institute’s current and future research agenda.

SEE DRI OPENING, PAGE 16

New research center to build on campus’s pioneering efforts for people with disabilities

Virtual orchestra

When a UI project is complete, new conductors will be able to practice in front of a virtual musical ensemble in a 3-D CAVE or CAVE-like environment.

By Craig Chamberlain
News Bureau Staff Writer

UI researchers are working to develop an effective water treatment against a deadly parasitic protozoan.

Making water safe

UI researchers are working to develop an effective water treatment against a deadly parasitic protozoan.

Kitty nutrition

Why do cats undergoing cancer treatment lose weight? Researchers at the UI are trying to answer that question.

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On the Web
www.news.uiuc.edu/
said. “There are very few truly great public research universities and the UI at Urbana- Champaign is one of them. I understand, and President Stukel emphasized this, that the board of trustees is committed to enhance the campus and its presence in the world.

“Illinois has a phenomenal reputation in the sciences, a remarkable library and wonderful performing arts. In fact, it is the prototype of the great public research university — strong engineering, the life sciences and agriculture, information technology — and it also remembers to nurture the human spirit through the arts and humanities, engaging students in learning communities, the Discovery Program, and an emphasis on undergraduate opportunities for research, for example.”

She called diversity — intellectual, geographic, social, racial and ethnic — “a very cherished value” for universities such as Illinois and an imperative for democratic living. “We achieve excellence through the diversity of people and ideas around the table, and in the partnerships we make on and off the campus,” she said.

Gerald W. Shea, chairman of the UI Board of Trustees, said he expects Cantor’s appointment to be the board’s unan- imous approval at its next meeting, May 23.

She really understands how wonderful the Urbana-Champaign campus is and that we all are committed to not only making it better but letting everyone know how good it is,” Shea said. “Our interview with her last week was more of a conversation that we’re all eager to continue when she joins the family. She is smart and we are lucky to have her as our next chancellor.”

Cantor was the strongest candidate in the pool and the one with the best fit for this campus. The committee is thrilled to have her as our next chancellor.”

Cantor is the co-author or editor of three books; author or co-author of more than 30 chapters in books; and author or co-author of nearly 50 articles. She has derived her professional and research support from the National Science Foundation, the Sloan Foundation and the Andrew W. Mellon Foundation. In the last decade, she has deliv- ered addresses to a va- riety of professional association meetings, at universities from the Netherlands to Cali- fornia and to public audiences.

She is a fellow of the American Psych- ology Society, the American Psychological Association and the Society for Personality and Social Psych- ology. She is a member of the Society of Experimental Social Psychology, the Soci- ety for the Psychological Study of Social Issues, the American Association for Higher Education and the American Association for the Advancement of Science.

Cantor was inducted into the American Academy of Arts and Sciences just last October and will be inducted as a member of the Institute of Medicine of the National Academy of Sciences this coming October.

Other awards and honors have come from the Society of Experimental Social Psychology, the American Psychological Association, University of Michigan, the U.S. Department of Labor Women’s Bu- reau, the Polish government and the Michi- gan Region of the Anti-Defamation League.

She has been active on committees, task forces and government commissions on such issues as gender, athletics, student engagement, accreditation and the biomed- ical and behavioral sciences. She also is on the board of trustees of Sarah Lawrence College, the board of trustees of the Center for Advanced Study in the Behavioral Sci- ences and is vice chair of the board of directors of the American Association for Higher Education.

She is on the DaimlerChrysler Scientific Advisory Board and the board of trustees of the Woodrow Wilson National Fellowship Foundation, as well.

Chief Illiniwek: Temporary restraining order extended

A temporary restraining order by a fed- eral judge regarding the Chief Illiniwek issue has been extended until June 11. U.S. District Judge Michael Many successfully spoke by phone with lawyers for the UI and for the American Civil Liberties Union April 12. The parties agreed to extend Mihm’s initial 10-day ruling that said NCAA rules do not prohibit faculty members and stu- dents “who do not represent the athletic interests of the university and who do not intend and will not recruit prospective ath- letes” from talking to high school reporters about the Chief issue.

Chancellor Michael Aiken had sent a campuswide e-mail March 2 saying that such contacts required prior athletic de- partment approval. The ACLU filed suit on behalf of a group of faculty members who said they intended to speak to prospective student-athletes about the Chief issue.

VET MED DEAN, FROM PAGE 1 department head at Connecticut since 1995. He also is professor of the veterinary diagnostic laboratory, interim director of the Office of Animal Research Services, and a member of the Center for Biochemi- cal Toxicology at the University of Con- necticut.

Whitley earned his bachelor’s degree in animal and veterinary medicine in 1973 from the University of Maine. He received his veterinary medicine degree in 1977 from Purdue University and a doctorate in pathology in 1984 from Colorado State University.

Ryan picks Champaign woman for board appointment

Gov. George H. Ryan announced April 11 his appointment of Marjorie E. Sodemann to the UI Board of Trustees for a term ending Jan. 8, 2007. Her appointment requires Senate confirm- ation.

Sodemann, 74, of Champaign, re- cently retired from Ryan’s staff as senior adviser for local governments and the Department on Aging. She also has served as a Champaign County board member, Champaign Township super- visor and chair of the Champaign County Republican Party.

She replaces William Engelbrecht, a UI trustee since 1994. Engelbrecht is the third board member, whose terms expired in December, to be replaced this year. Judith Reese was replaced by Robert Vickery of Peru, Ill., in January, and Martha O’Malley was replaced by Lawrence Eppley of Palatine, Ill., in Feb- ruary.
On the job Janet Rudicil

Janet Rudicil started at the university in July 1997 on the construction crew in the temperature control shop in the Division of Operation and Maintenance. She was promoted to become the shop’s first female foreman Jan. 22 of this year.

What are your job responsibilities?
I direct and supervise the work of the temperature control mechanics and apprentices, schedule work assignments and order any materials and tools that are necessary. I also work with the project coordinators in other trades to get the jobs done. I have 10 mechanics (journeymen) and two apprentices for a total of 12 people.

Then, you take care of the air conditioning and heating in the buildings?
Yes. If somebody has a room that’s too hot or too cold, they’ll call the service office and ask them to send one of our mechanics out. We take care of the whole campus. We also have our construction crew that does remodels or installations.

Are you the only woman in the shop?
No, actually we have two other women who are temperature control mechanics. We also have two women in the plumbing shop and two women in the pipelayers shop.

What were you doing before you came to the university?
I did new construction, welding, a little bit of everything. Then when I came to the university, I wanted to specialize in the controls, and it’s been a fabulous opportunity for me. I’ve really enjoyed it.

What specifically do you enjoy about it? How did you get into it?
My biggest hobby right now is agility training with my mixed-breed terrier, Dillon. I took some courses at Parkland, but I went through the Local 149 plumbers and pipefitters apprenticeship program, which is a five-year program.

What is your educational background?
I did new construction, welding, a little bit of everything. Then when I came to the university, I wanted to specialize in the controls, and it’s been a fabulous opportunity for me. I’ve really enjoyed it.

What are some of the challenges in your job?
I would say right now in my job as a foreman, the biggest challenge is trying to get the customers’ needs answered in a timely fashion because it’s a big campus and there are a lot of people.

Is it a challenge supervising a bunch of men?
I’d better be careful how I answer that one! Actually, since I’ve been here at the university, I haven’t run into challenges like that. It’s still a male-dominated area, and there have been challenges as far as trying to prove yourself physically and trying to prove that you’re capable of doing the work. As far as being a foreman, everything is so new that it’s all challenging to me. I’ve got a lot of support people here in O&M, in the other shops and up front. Everybody’s very helpful, and we all try to work together.

What do you like most about your job?
That you don’t do the same thing every day. There’s always a new customer to talk to or there’s always something new that you’ve got to order. You get to talk to a lot of new people around campus. I’d like to encourage women to apply and get into the pipelayers trade. I think it’s an area that is still male-dominated, but it’s an area that women can do successfully. If any women would be interested in doing anything in these fields, I’d encourage them to take college courses in the area, not only in math but in refrigeration, welding, plumbing, temperature control.

What is your educational background?
I took some courses at Parkland, but I went through the Local 149 plumbers and pipelayers apprenticeship program, which is a five-year program.

What kind of hobbies or interests do you have?
My biggest hobby right now is agility training with my mixed-breed terrier, Dillon.

How do you get them to go over the obstacles and through the tunnels? Do you just stand on the other side with treats?
A lot of treats. It also takes a lot of repetition. You just start out with just one or two obstacles. It really amazed me because I thought, ‘Dillon won’t take to this.’ But he did. My husband has been building agility equipment, so we have quite a few things in our backyard. I try and work with Dillon, run him through the course, at least once a day. We’ll be going to our first United Kennel Club trial in April at Pottstown, over near Peoria.

Have you bred and trained dogs before?
No. We got Dillon from the Champaign County Humane Society. Best move we ever made. He’s part of our family.

~ Interview by Sharita Forrest

New program to help already talented writers perfect their craft

By Andrea Lynn
News Bureau Staff Writer

An advanced creative writing program has been established in the American heartland. The new UI program will offer, its planners say, a first-rate opportunity for the nation’s most promising writers.

The UI’s MFA (master’s degree in fine arts) program in creative writing will begin in the fall of 2002. Only students who already are talented creative writers will be eligible for admission. Twelve students will be accepted each year.

Students who are accepted into the program, which is offered by the UI English department, will receive graduate study and professional training in the writing of fiction, poetry and creative non-fiction. They also will be trained to become teachers of creative and professional writing.

The primary goal of the MFA in creative writing is to give these literary artists time and space to work on and perfect their writing, and to study the craft and technique of writing,” said Michael Van Wallegren, a professor of English at the UI, and the director of the new program.

The English department’s staff of distinguished creative writing faculty, including National Book Award nominees and many prize winners, will teach.

“Very few places in the country can compete with our talent,” Van Wallegren said. Largely because of its noted and productive teaching staff, the English department, he said, consistently is ranked in the nation’s top 20 graduate programs in English.

Among the 14 creative writers who will serve as teacher-mentors are fiction writers Richard Powers and Jean Thompson, both nominated for National Book Awards and both UI alumni. The other MFA professors are Mark Costello and Paul Friedman, also UI graduates, and Philip Graham, Brigit Kelly, Laurence Lieberman, Michael Madonick, Audrey Petty, Van Wallegren and David Wright.

A writers-in-residence series also is planned.

Illinois has long played an important role in the creative writing of the United States. Van Wallegren said. For example, for 20 years the English department published the prestigious literary magazine Accent, which featured such writers as e.e. cummings, Flannery O’Connor, Katherine Anne Porter, Wallace Stevens and Eudora Welty. The department also runs the Carr Visiting Writers series, which brings distinguished writers to campus. Among the Carr writers are Raymond Carver, Stanley Elkin and William Gass. For several decades, the department has offered undergraduate majors in rhetoric and in professional writing, and 10 years ago it established the Center for Writing Studies.

The future for creative writing also looks promising, Van Wallegren said.

“The demand is there,” he said. In contrast to graduate school applications, which nationally are down, “Established writing programs are receiving some 400-500 applications a year.”

deaths

Hazel Jean Crawford, 79, died. Crawford was secretary for the head of the UI department of electrical engineering for 34 years. Memorials: Provena Covenant Hospice Care Program.

William J. Flynn, 87, died April 10 at Carle Arbours, Savoy. Flynn was a building service foreman for the Housing Division. He worked at the UI from 1969 until he retired in 1980.

Robert Heifetz, 68, died April 7. Heifetz was a professor of urban planning at the UI from 1968 until 1971.

Thurman Hornbuckle II, 48, died March 30 at his St. Joseph home. Hornbuckle was a professor of veterinary clinical medicine in the College of Veterinary Medicine from 1988 to 1994. Memorials: to the family.

David Lee Peak, 47, died April 11 at his home in Fisher. Peak was a building service worker in the Division of Operation and Maintenance from 1991 through 2000.

Stephen S. Prokopoff, 71, died March 28 in the University of Iowa Hospitals in Iowa City. Prokopoff was with the Kraemer Art Museum for 10 years. It was here, in 1984, that he organized the first exhibition in the United States of the Swiss psychiatrist Hans Prinzhorn’s collection of art of the insane. <
Sequential disinfection process provides safer drinking water

By James E. Kloeppel
News Bureau Staff Writer
Fresh from the faucet, a killer may be lurking in your glass.

Cryptosporidium parvum is a parasitic protozoan that can infiltrate a city’s water supply – as happened in Milwaukee in March 1993, when more than 400,000 people were infected. With symptoms similar to food poisoning, outbreaks of cryptosporidiosis can prove deadly for individuals with immune system deficiency problems. Researchers at the UI are developing a cost-effective treatment strategy for providing drinking water free of this harmful contaminant.

“Most surface-water disinfection systems in the U.S. were originally designed, or subsequently modified, to control contamination by another dangerous microbe, Giardia lamblia,” said Benito Marinas, a UI professor of civil and environmental engineering. “Unfortunately, the disinfectant concentration and contact time in these systems are generally inadequate for killing C. parvum.”

Destroying the parasite is also complicated by the fact that, outside its host, C. parvum enters a spore-like dormant stage. Marinas said: “Encased in a dense wall of proteins and lipids, this oocyst is extremely resistant to chlorine – the disinfectant most commonly used in water treat-

Marinas and graduate students Amy Driesiger and Jason Rennecker have found that sequentially applying two disinfectants – such as ozone and chlorine – is much more effective in killing C. parvum than either treatment alone. The primary disinfection step can result in secondary disinfection rate increases of up to 2.200 percent, compared to the rates for a single disinfectant.

While some water treatment plants already use ozone to kill G. lamblia, they are not designed to kill C. parvum, which requires 25 to 40 times greater ozone exposure. But, by first using ozone – at levels to kill G. lamblia, followed by chlorine, the researchers can easily destroy C. parvum.

“Ozone not only attacks the oocyst wall – thereby opening the door for the next disinfectant – it also oxidizes the wall and changes the very nature of the material, making it more susceptible to chlorine,” Marinas said. He and his students are currently characterizing the synergistic effects that take place, and optimizing the sequential disinfection process.

Using chlorine as the secondary disinfectant also carries an additional benefit, Marinas said. “Unlike ozone, which de-

Because the sequential disinfection process works most effectively at low temperatures, it offers a potential solution to killing C. parvum oocysts during the wintertime in regions where the water temperature approaches the freezing point. Marinas said the researchers published their latest findings in the January issue of Water Research, a journal of the International Water Association. The U.S. Environmental Protection Agency and the Illinois Water Resources Center provided funding for the work.

Scholar says Indian reformers’ outspokenness saved native cultures

By Andrea Lynn
News Bureau Staff Writer

Historian Frederick Hoxie introduces his new volume of writings from early American Indian reformers with a startling statement: “Of all the myths that distort our understanding of the Native American experience, none is more powerful than the belief that the rise of American Indian reformers, past and present, and contemporaries with each other in new ways.”

Probably the best known American Indian reformer was Charles Eastman, a Santee Sioux. After being sent to a Christian boarding school like most of the reformers, Eastman “blazed a path of distinction” through an Ivy League college and then through medical school.

He was an agency physician at Pine Ridge, S.D., had a private medical practice in Minnesota and co-founded the Society of American Indians, which published the Quarterly Journal, the main vehicle for American Indian commentary. Eastman also wrote nine books, including a popular and influential autobiography.

“His books brought traditional Native American culture before a broad non-Indian audience and played a crucial role in cultivating a sympathetic audience for Native concerns,” Hoxie wrote. In addition to criticizing the actions and policies of the Indian Office and other federal programs, Eastman and his peers proposed many alternatives for bringing Indians to “civilization.”

Yet, despite the work of American Indian reformers, past and present, and despite the proliferation of American Indian history courses, many myths persist, including the ideas that all Indians are environmentalists or that Indians always lived in peace with one another or, conversely, that they were uniformly devoted to wars.

The Native American experience

Frederick Hoxie, the Suwanland Professor of History at the UI, has a new volume of writings from early American Indian reformers, “Talking Back to Civilization: Indian Voices From the Progressive Era.” The volume includes speeches, court statements, memoirs and cartoons from American Indian pioneers during the first decades of the 20th century.

By Andrea Lynn
News Bureau Staff Writer

Historian Frederick Hoxie introduces his new volume of writings from early American Indian reformers with a startling statement: “Of all the myths that distort our understand
Company-run chain restaurants more consistent than franchises

By Mark Reutter
News Bureau Staff Writer

As anyone who travels the Interstate knows, consistency is the selling point of a chain restaurant. Whether you’re parked between the tumbleweeds at a windswept Wyoming exit or crammed into a shopping mall in New Jersey, a brand-name restaurant is supposed to deliver the same quality of food and service.

Do the chains deliver? It largely depends on the type of corporate ownership, according to UI business professor Steven C. Michael. Reports restaurants under franchise ownership lack the consistency of franchises that are corporate-owned and -managed.

“A greater reliance on franchising leads to lower quality,” he wrote in the Journal of Economic Behavior and Organization. Michael based his conclusions on 35 dinnerhouse and “family” chains ranked by the readers of Consumer Reports. The rankings were based on nine measures, including food taste, menu selection, friendliness of service, knowledge of server, atmosphere and cleanliness.

Franchised chains in the survey included Bob Evans, Cracker Barrel, Olive Garden, Red Lobster and Steak and Ale. Some chains have a mix of franchised and corporate outlets. Michael did not rank the restaurant chains individually, but grouped them together according to their organizational structure.

Under the franchise system, quality and service were dependent on the profitability, location and cost of a restaurant. “Quality costs money,” Michael said in an interview. “A franchise has an incentive to skim on quality, while the unit manager of a corporate chain has less incentive to lower quality because it’s not coming out of the corporate profit center.”

Who started franchising is an open question. Some point to the 19th century Singer sewing machine as the start of franchising in America. The system spread to roadside ice cream and hamburger stands after World War II and, more recently, to restaurants with more ambitious menus.

The system calls for the franchisee to buy or lease a store site and pay a fee to gain rights to the name brand. The operator then pays royalties, usually as a percentage of sales, to the franchisor, but is responsible for employee wages and menu prices. (Under antitrust law, a franchisor may recommend, but not mandate, prices.)

“Quality costs money. A franchisee has an incentive to skimp on quality.”

— Steven C. Michael

Franchising is attractive to business people because they can expand swiftly. An objective is to locate as many stores as possible in strategic shopping areas and interstate exits, pre-empting competitors and gaining valuable real estate, Michael said.

What is less certain is whether the franchise system will continue to grow in established markets or “whether we’ll see companies reclaim and restructure franchise chains into corporate chains to better position themselves in terms of quality and service.”

Code needed to prohibit Internet stalking

By Mark Reutter
News Bureau Staff Writer

Harassment through the Internet, or “cyberstalking,” is bringing new challenges for law-enforcement and legislative bodies.

“As more and better technology becomes available to ordinary citizens, stalkers can take advantage of the tremendous power of the Web as well as increased access to personal information,” Amy C. Radosevich wrote in an article published in the Law Review.

The same technology used to harass people offers the stalker almost impenetrable anonymity. “In cyberspace, stalking and harassment may occur not only via e-mail, but through new groups, bulletin boards and chat rooms,” Radosevich said.

Cyberstalkers also can dupe other Internet users into unintentional harassment by sending inflammatory messages to a bulletin board using the name, phone number and e-mail address of the victim. “Each subsequent response to the victim, whether from the same person, cyberstalker or others, will have the intended effect on the victim, but the cyberstalker’s efforts are minimal.”

Although nearly all states prohibit following a person without his or her consent, very few laws cover e-mail threats as a form of stalking. By the very nature of e-mail, harassment can come from a great distance — and with great intensity — without involving a prohibited “physical threat” or verbal pattern of conduct.

Despite growing evidence of cyberstalking on college campuses and in urban areas, Internet service providers have done little to protect their users from harassment by e-mail. At the very least, Radosevich said, an industrywide code of conduct should be developed that has clear policies prohibiting cyberstalking and requires users to supply verifiable identity and location.

On the national level, an attempt to include harassment e-mails under the telephones harassment statute failed in Congress. Another step backward took place last year when the U.S. Supreme Court ruled that a section of the Violence Against Women Act, providing a civil remedy for victims of gender-violated motivation, was unconstitutional.

Recent data suggest that more than 1 million Americans are stalked each year. About 80 percent are women who, in a typical case, are known and sometimes threatened by an ex-husband or ex-boyfriend. Most victims are ordinary citizens, while about 20 percent are celebrities or sportswomen and former mistresses.

As in off-line stalking, in many online cases the cyberstalker and the victim had a prior relationship, and when the victim attempts to end the relationship the cyberstalking begins,” Radosevich said, adding that someone afraid to harass an acquaintance in person or over the telephone “may have little hesitation in sending a threatening e-mail message.”

Quantum computer center established at UI

Researchers at the UI’s Urbana campus have received a $2.3 million grant to explore a method for harnessing the extraordinary computational potential inherent within the quantum behavior of atoms. Under the direction of John Tucker, professor of electrical and computer engineering, the Center for Silicon Quantum Computers expects to hasten the advent of practical quantum computers by refining well-established processes used in the manufacture of today’s silicon computer chips.

“Quantum computers can potentially process information much faster than today’s computers whose elementary bits represent only ‘1’ or ‘0,’” said Tucker.

“Inside a quantum computer, the state of each individual ‘qubit’ contains components of both ‘1’ and ‘0’ in any desired combination.” This characteristic of quantum behavior, called superposition, makes possible a mode of calculating that is impossible with today’s computers.

“Interest in developing a practical quantum computer is strongly driven by a recently discovered algorithm that could easily crack all of the world’s codes for secret information on a machine containing only a million or so qubits — far fewer than the many millions of transistors in today’s computer chips,” Tucker said.

In recent years, elementary prototype circuits of quantum logic have been demonstrated using nuclear magnetic resonance of molecules and elaborate “ion traps,” but these techniques offer little hope of being scaled up for practical use. The Urbana researchers hope to build a practical machine by extending conventional solid-state technology. The “extra” electrons orbiting individual phosphorous donor atoms inside a silicon crystal will be manipulated by applying electrical signals, emulating the operation of today’s field-effect transistors but on a much smaller scale where quantum effects are all-important.

The center is funded by the Pentagon-based Defense Advanced Research Projects Agency (DARPA). Other members of the Center team include Milton Feng, professor of electrical and computer engineering, Urbana; Yia-Chung Chang, professor of physics, Urbana; and T.C. Shen and R.R. Du, both professors from the University of Utah.

The designs will be guided by theoretical simulations to be performed by Chang. Feng will develop a method for connecting the signals from buried phosphorous qubits to external electrical contacts. Atom-scale fabrication of qubit arrays and low-temperature measurements will be carried out in Utah by Shen, who works at Urbana with Tucker and Du, an Illinois doctoral graduate in physics.
Sunday, April 29
1 p.m. “Everyone Says I Love You”

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The Office of Academic Human Resources. Suite 420, 807 S. Wright St., maintains listings of academic openings that can be reviewed during regular business hours. Listings also are available online. Academic professional positions are listed at www.ahr.uiuc.edu/jobs. Faculty job opportunity information can be found at http://webstore.ahr.uiuc.edu/jobs/index.asp. Progress in the recruitment of a faculty email notification of open positions by subscrib- ing to the Academic Jobs List. See the online Career Information at http://www.ahr.uiuc.edu/default.aspx.job.

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**Academic professional**

Academic Outreach, Program Manager. M.S. in computer science, advanced degree in education and a minimum of two years’ experience in Web application development are required. Available: May 1. Contact Keisuke Goto, 244-9058, keisuke@uiuc.edu. Closing date: April 20.

Administrative Information Technology Services. Database specialist (a Bachelor’s degree in computer science, electrical engineering, NFS or related field, a minimum of two years’ DEXA experience, two or more years of supervisor experience. Available immediately. Contact aritter@it@uiuc.edu. Closing date: May 1.

Administrative Information Technology Services. Enterprise architect specialist. Bachelor’s knowledge of industry best practices in software engineering, application integration, and quality assurance; experience with and knowledge of current software engineering methodologies and object-oriented analysis and design concepts and experience with and knowledge of current software engineering methodologies and object-oriented analysis and design concepts and experience in leading and managing teams. Available immediately. Contact lichtenring@it@uiuc.edu. Closing date: April 24.

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**Academic Program**

Academic Outreach. Program Manager. M.S. in computer science, advanced degree in education and a minimum of two years’ experience in Web application development are required. Available: May 1. Contact Keisuke Goto, 244-9058, keisuke@uiuc.edu. Closing date: April 20.

Administrative Information Technology Services. Database specialist (a Bachelor’s degree in computer science, electrical engineering, NFS or related field, a minimum of two years’ DEXA experience, two or more years of supervisor experience. Available immediately. Contact aritter@it@uiuc.edu. Closing date: May 1.

Administrative Information Technology Services. Enterprise architect specialist. Bachelor’s knowledge of industry best practices in software engineering, application integration, and quality assurance; experience with and knowledge of current software engineering methodologies and object-oriented analysis and design concepts and experience in leading and managing teams. Available immediately. Contact lichtenring@it@uiuc.edu. Closing date: April 24.

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Study to focus on diet, nutrition and weight loss in cats with cancer

By Jim Barlow
News Bureau Staff Writer

A cat with cancer is losing weight. What’s an owner – or even a veterinarian – to do?

A study begun this month at the UI College of Veterinary Medicine seeks to answer that question. Researchers hope they can establish, for the first time, why cats with cancer lose weight during treatment.

Researchers will provide a specially created, nutritionally balanced diet and treatment for 100 cats during the one-year study. They are asking pet owners whose cats have any form of cancer to consider taking part in the study.

There is little solid nutritional information that veterinarians can go by to help counter the common problem of weight loss during cancer treatment, said Nicole Ehrt, a veterinary surgical oncologist and lead researcher on the project. Cats are living longer than ever before, she said, giving them more opportunity to get cancer – the leading cause of death in pets over the age of 10.

“We know a lot about what happens nutritionally in many other animals and in people, but there is no information available on the body composition of cats that suffer from weight loss associated with cancer and cancer treatments,” Ehrt said. “Cats are obligate carnivores. The way they absorb nutrients, and the way their body processes it, is very different than it is with a lot of other animals.”

The evidence suggests that animals losing weight are less able to fight cancer effectively, and pet owners often link their cat’s appetite to its overall sense of well being. Owners often give up and choose euthanasia when a cat’s weight loss suggests a declining quality of life. “We want to provide every cancer patient with optimal nutrition to maintain an excellent quality of life during treatment,” Ehrt said.

Before, during and after treatment, researchers will monitor body weight ratios, the percent of body fat, the percent of lean muscle mass, protein contents and more. They hope to identify what patterns exist in the cats’ metabolic rates and eating patterns and link them with specific kinds of treatment, which may include surgery to remove a tumor, radiation and chemotherapy.

Eventually, Ehrt said, researchers want to help the pet-food industry develop specialized cancer diets that provide the proper nutrition and which cats can and will – eat.

The study will require researchers to treat cats with a variety of cancers. Pet owners interested in having their cats participate in the study should contact Ehrt or Kandice Norrell at the Small Animal Clinic at the UI Veterinary Teaching Hospital, 333-5300. In addition to receiving free analysis and food during the study, owners whose cats complete all follow-up exams will be eligible for reimbursement of some of their own expenses.

FELINE PARTICIPANTS NEEDED

Pet owners whose cats have any form of cancer and are interested in having their cats participate in the study should contact Nicole Ehrt or Kandice Norrell at the Small Animal Clinic at the UI Veterinary Teaching Hospital, 333-5300.

Shoppers who can’t read prices make unwise buying decisions

By Mark Reutter
News Bureau Staff Writer

They are one of the largest groups of American consumers, yet research on them is “almost non-existent,” says a UI business professor. They are adults who can’t read or do math.

Do how these adults function as consumers? What do they look for when confronted with prices, products and sizes at a store, and how do they interact with cashiers and check-out clerks?

To find some answers, Madhu Viswanathan, a UI professor of business administration, and James Harris, a UI graduate student, spent time at an adult education center. Eventually they selected 19 students for intensive interviews and for trips to the grocery store and shopping mall. The subjects were between 17 and 62 years old, and had incoming reading and math scores ranging from less-than-first grade to seventh grade.

A striking fact about illiterate consumers, Viswanathan reported, was that they based their buying decisions almost exclusively on lowest price. The volume, unit price or ingredients of a product were ignored. As one shopper said as she went down the cereal aisle, “I look to see which costs the most and which costs the less, and so I just get the smaller one because they cost the less.”

They also relied heavily on visual cues, gravitating toward products they had seen on television or that “looked good” on the shelf. They typically handed all the money they had to the cashier, and let the cashier count it out. Avoiding humiliation at the hands of store employees was a major preoccupation, and many only went to stores where the employees were “friendly” and “did not rush you.”

Even those with seventh-grade reading levels found it nearly impossible to figure out percentages. When asked, “What’s half price? If it is $10, how much would it be,” Dave answered, “Maybe $9.”

Most, however, did know the difference between denominations of money and often had a bill handy when eating at a restaurant. “They know that for $5 they can get a meal at McDonald’s. So they look down the menu, and they’ll just expect McDonald’s to give them back the right change,” Viswanathan said. “They expect to receive the right change.”

Consumer illiteracy Madhu Viswanathan (picted), a UI professor of business administration, studied the effects of illiteracy and innumeracy (inability to do math) on consumer behavior. Nineteen students at an adult education center underwent extensive interviews and were watched during trips to a grocery store and shopping mall. On what did they base their buying decisions? And how did they pay for their purchases?

Consumer illiteracy Madhu Viswanathan (picted), a UI professor of business administration, studied the effects of illiteracy and innumeracy (inability to do math) on consumer behavior. Nineteen students at an adult education center underwent extensive interviews and were watched during trips to a grocery store and shopping mall. On what did they base their buying decisions? And how did they pay for their purchases?

Many of the subjects, when asked to write down the price of an item, read the number wrong ($220 as $22) or reversed the digits (writing $49 as $94). To cope with their difficulty in number and word recognition, many mimicked the behavior of other shoppers or delegated buying decisions to their spouse or children. A working paper completed by the UI researchers is titled, “Effects of Illiteracy and Innumeracy on Consumer Behavior: The Dark Side of Consumer Decision-Making.”
Virtual reality environment to give feedback to student conductors

By Melissa Mitchell
News Bureau Staff Writer

When observing an orchestral or choral performance, audience members may be tempted to conclude that all of the on-stage performers, the conductor has the easiest job. After all, from the vantage point of the audience, the conductor appears to be doing little more than waving a baton.

In reality, of course, there’s much more to the art of conducting. The movements of the conductor’s right hand is often most obvious to the audience. But, according to UI music professor Guy Garnett, all manner of information is communicated by the conductor to the musicians through a complex range of gestures. Signals are sent not only by the conductor’s right hand, but through the movement of the left hand and gaze.

To date, students of conducting can only practice their craft during class time or in front of a mirror. But Garnett and a team of multidisciplinary researchers at the UI are attempting to change that. The researchers are pooling their talents on a project called “The Intelligent Virtual Ensemble (IVE): Creating an Infrastructure for Natural Inter-active Skills Acquisition.” The overall goal of the work, Garnett said, is “to build a virtual conducting training environment that will help conducting students learn the craft.”

Aided by IVE, conducting students will one day be able to gain valuable practice experience by conducting virtual musical ensembles in 3-D CAVE or CAVE-like environments. In these specially equipped environments, the students’ movements and gestures can be tracked and recorded by computers, interpreted through the use of aural and avatar responses. Avatars are visual icons, which, in this case, would represent members of the virtual orchestra. The simulations would provide opportunities to practice coordinating multiple gestures for cueing, dynamics and articulation. And IVE would give students access to an ensemble at any time, without the difficulty or expense of assembling live musicians.

“Creating a virtual environment for teaching humans the skills necessary for conducting also will serve as an anchor point for extending current technology and creating new technology critical to the broader development of virtual environments and natural human-computer interaction,” Garnett said.

Other members of the IVE research team include KarenRubleder, research professor in the Graduate School of Library and Information Science; KlaraNahrstedt, professor of computer science; Rachael Brady, technical program manager, and Hank Kaczmarski, director of the Beckman Institute of Science and Technology; and Fred Stohr, professor of music.

Ballistic phonons reveal strange attenuation in lead superconductor

By James E. Kloppef
News Bureau Staff Writer

By measuring how long it takes phonons (lattice vibrations) to travel through a thin crystal, UI researchers have found experimental evidence of an unusual spin-density-wave ground state in lead superconductors.

“Lead is a conventional superconductor with not-so-conventional properties,” said Jim Wolfe, a UI professor of physics and a researcher at the UI’s Frederick Seitz Materials Research Laboratory. “Anomalies in the lattice dynamics, specific heat and acoustic attenuation in lead superconductors have puzzled researchers for several decades. Now, we are much closer to a viable explanation.”

Several years ago, AlbertOverhauser, a physicist at Purdue University, proposed a theory to account for some of this odd behavior. Overhauser suggested that the ground state for lead possessed an unusual spin-density-wave structure not normally found in superconductors.

“If spin-density waves did, indeed, exist in lead, they would create a large anisotropy in the superconducting gap,” Wolfe said. “We thought this anisotropy might be revealed by imaging the transmission of phonons through a single crystal of high-purity lead.”

Wolfe’s research group invented the method of phonon imaging in order to examine the propagation and scattering of high-frequency phonons in crystals at low temperatures. The technique, which measures the spatial pattern of heat flux emanating from a point source, can probe anisotropies in the superconducting gap of conventional superconductors.

To image phonons, Wolfe and his graduate student, Jonathan Short, use a laser pulse to generate thermal energy at a point on the surface of a supercooled crystal. They record the arrival of the thermal energy after it propagates through the crystal lattice to a detector—a small, superconducting aluminum bolometer. Scanning the laser beam, they piece together many measurements to create a time-lapse movie showing phonon movement.

“In our experiment, we found certain directions in which the phonons are attenuated, even though the usual expectation for lead is that the superconducting gap is very isotropic,” Wolfe said. “This suggests there are directions in the superconductor where the energy gap is much lower than usual.”

For a large energy gap, phonons can propagate ballistically—that is, without scattering off electrons. A significant reduction in the gap along specific directions will result in highly anisotropic attenuation of these phonons, producing a pattern of dark lines in a phonon image.

“Our experiment provides an interesting piece of evidence that seems to support Overhauser’s theory,” Wolfe said. “The present theoretical challenge is to apply the spin-density-wave theory to the specific electronic structure of lead and see if the experimental results are reproduced in detail.”

Short and Wolfe presented their latest findings at a meeting of the American Physical Society, held in Seattle, March 12-16. The U.S. Department of Energy funded the research.
Inside Illinois

administration
Chancellor Michael Aiken was named the 2000 Champaign County Most Valuable Citizen by the Champaign County Chamber of Commerce. The Chamber established the award in 1992 to recognize an individual’s ongoing commitment to the community and its development. Aiken’s accomplishments include working with community leaders to create Campustown 2000 and establishing Partnership Illinois.

Carol Livingston, associate provost and director of the Division of Management Information, was elected president of the Illinois Association for Institutional Research. The association has more than 200 members from colleges, universities, and state higher educational governing boards from throughout Illinois.

agricultural, consumer and environmental sciences
Cleora O’Avey, professor of crops sciences, was one of two recipients of a Food and Agriculture Sciences Excellence in Teaching Award. The award was presented by the U.S. Department of Agriculture and the National Association of State Universities and Land Grant Colleges and is the highest national teaching recognition for faculty members in agriculture, natural resources and related areas.

Philip Dziuk, professor emeritus of animal sciences, was named recipient of the Pioneer Award of the International Embryo Transfer Society. Dziuk was cited for his accomplishments in the fields of artificial insemination, ovulation control, embryo transport, semen delivery and ultrasound.

applied life studies
Thomas O’Rourke, professor of community health, was awarded fellow status by the North American Society of Health, Physical Education, Recreation, Sport and Dance professionals. O’Rourke was recognized for significant contributions to the professional and scholarly literature and his sustained involvement in leadership activities.

aviation
Christopher Wickens, head of the Aviation Research Laboratory and professor in the Institute of Aviation, was selected by the Federal Aviation Administration (FAA) as the winner of the 2000 Excellence in Aviation Award for his contributions in aviation research and education. Wickens’ research includes the relevance of principles and theories of human attention to the design of aviation systems.

commerce and business administration
John F. Due, professor emeritus of economics, was presented the Daniel M. Holcomb Medal by the University of Illinois Alumni Association in recognition of lifetime achievements in the field of economics.

Kent B. Monroe, professor of business administration, was honored at a spring convocation by the College of Commerce University research conference. Several sessions were devoted to his research in behavioral pricing and he was presented with an engraved crystal plaque in recognition of his contributions to the field.

controlling education
The Office of Continuing Education (OCE) has received the campus’s Diversity Achievement Award. The OCE was recognized for its notable contributions to the Campus Affirmative Action Compliance Program for Support Staff. The Equal Employment Opportunity Awards Selection Committee stated that “OCE was successful in meeting 100 percent of the college/unit goals. In addition, OCE had three additional equal opportunity hires beyond its college/unit goals, and met one campuswide goal.”

dads association
Viki Hawley, investigator with the UI police department, and Michael Darter, professor of civil engineering, were recipients of the 2000 Certificate of Merit Awards presented by the Dads Association. Hawley and Darter were honored at the annual Dads Association banquet during Dads Weekend. In Hawley’s recognition it was noted that in her investigation of sexual assault cases she had been understanding and compassionate. Darter was noted for his excellent interaction with students, and a genuine desire to help them.

engineering
Richard DeVor, professor of mechanical and industrial engineering, recently was named the first College of Engineering Distinguished Professor of Manufacturing by the UI College of Engineering. The professorship was created to recognize faculty members for their achievements in teaching, research and service in the area of manufacturing. DeVor was cited as “an international authority in the areas of machining and manufacturing tool systems.”

Paul Parker, assistant dean in the UI College of Engineering and director of the minority engineering program, has been selected to receive the 2001 Minority Engineering Program Director of the Year Award from the National Society of Black Engineers (NSBE). The honor is one of the NSBE’s Golden Torch Awards recognizing excellence among African-American engineers, scientists and technologists in academics, government and business. Parker was recognized for his role in the growth of minority undergraduate engineering students as director of the minority engineering program.

Brian G. Thomas, professor of mechanical engineering, has been selected by the Iron and Steel Society to present the J.K. Brimacombe Lecture at the Electric Furnace Conference in Phoenix this fall. The lectureship, established in 1999 by the Process Technology Division, honors the annual high-performance computing applications Research. The award was presented by the Dads Association. Hawley’s recognition noted that in her investigation of sexual assault cases she had been understanding and compassionate. Darter was noted for his excellent interaction with students, and a genuine desire to help them.

Jonathan Fineberg, professor of art, recently received the Distinguished Teaching of Art History Award from the College Art Association. The award recognized Fineberg’s scholarly contributions, intellectual depth and reputation as an extraordinary lecturer.

An exhibition at the McLean County Arts Center’s Armstrong Gallery featured the sculptural ceramics works of Ron Kovatch, professor of art and design. The show, “In Search of an Archetype,” featured two new collections.

Alexander Murray, professor of music, participated as a lecturer, judge and teacher at the Mid-Atlantic Flute Festival earlier this year. Murray gave lecture demonstrations on “The Alexander Technique” and “Anatomical and Modern Flutes,” which described the work of Ronald Laszewski. He also judged the young artist competition, taught a master class and was a featured guest speaker.

Buzz Specter, professor of art and design, had his work displayed at the “Temptus Fugit” exhibit at the University of Missouri – Kansas City Gallery of Art. His piece, “Buzz Specter Thinking About Time,” was a book installation.

fire service institute
Richard L. Jaehne, director of the Fire Service Institute, was an invited speaker at Eureka College’s Newson Series annual Social Science and Business Lecture. Jaehne’s lecture was titled, “Transnational Security and the Four National Security Paradigms.”

housing
Jack Collins, director of housing, was elected vice-president of the national housing organization, the Association of College and University Housing Officers-In-International. He will serve as vice-president for one year, president-elect for one year and president for one year.

liberal arts and sciences
Susan Fahnbaech, professor of entomology, and Shirley Splittstoesser, Prairie Flows Program Manager, received an award from the Illinois Board of Higher Education’s Dwight D. Eisenhower Professional Development Program for “Mathematics, Science and Technology En- twined.” Their project will bring together the UI Howard Hughes Program and new initiatives at the campus units including the College of Education, department of mathematics, Illinois State Geodetic Survey, School of Integrative Biology, and School of Molecular and Cellular Biology. It will provide training for middle school mathematicians and science teachers in information technologies.


Keith Hitchins, professor of history, received recognition for his contributions to Slavic Studies. The National Association for the Advancement of Slavic Studies presented Hitchins with its highest award for his achievements in Slavic scholarship. The AAAASS is the leading private nonprofit organization dedicated to the advancement of knowledge about Russia, Central Eurasia and Eastern and Central Europe.

Paul C. Lauterbur, Center for Advanced Study professor of chemistry and director of the Biomedical Magnetic Resonance Laboratory, received the 2001 National Academy of Sciences Award for Chemistry in Service to Society. Lauterbur was recognized “for his research on nuclear magnetic imaging. The procedure is used in chemistry and medicine, and his contribu- tions to the development of magnetic resonance imaging in medicine.” His contribu- tions to science led to the development of the magnetic resonance imaging (MRI) scanner, which has revolutionized the medi- cal profession.


Ray Spencer, coordinator of research programs in the College of Liberal Arts and Sciences, was awarded membership to Kappa Delta Pi, an international honor so- ciety in education. Kappa Delta Pi, founded at the UI in 1911, recognizes academic excellence and significant contributions to the teaching profession.

national center for supercomputing applications
National Laboratory for Applied Network Research (NLANR) programmers Jim Ferguson, senior tech program manager at the National Center for Supercomputing Applications, and Jian Liu, graduate assistan- tant, were awarded first prize in the ResearchGem competition for their improve- ments to Internet file transfers at SC2000, the annual high-performance computing and networking conference. Ferguson and Liu’s entry in the competition highlighted the “window size” of the Transmission Control Protocol (TCP), which restricts the sender from transmitting more data than a window is prepared to accept. The window size of the TCP connections affects the rate at which data are sent across the network. An improperly tuned window size can cause network拥塞和 poor network performance. When done prop- erly, adjustments to window size can more than double the usable bandwidth of high-
Nominations sought for SAC

The Staff Advisory Council is seeking nominations for one representative each from the Clerical & Secretarial Group (EEO 04) and the Technical and Paraprofessional Group (EEO 05) to serve a four-year term beginning July 1. The council acts in an advisory role and meets regularly with the assistant vice president for human resources on the Urbana campus. To be considered for the positions, prospective candidates must pick up petitions in Room 141 of Personnel Services Office beginning April 20. Deadline for returning petitions is April 27. Ballots will be mailed to eligible staff members by May 11. Winners will be announced May 24. For more information, contact Corbin Smith, 333-4395 or e-mail csmith2@uiuc.edu.

Corrections for graduate programs section

'Program of Study' catalog notes

By now, all campus units should have received their "Program of Study" catalogs. Errors have been discovered in the graduate programs section of the catalog. The affected departments are Chemical Physics (p. 214), Chemistry (corrected, box should have appeared on p. 215), and Mathematics (p. 240). One-page supplements containing the revised text and label for the covers alerting readers about the supplement will soon be distributed. The supplement should be inserted after the last page of text (p. 230) and the label should be affixed to the lower right portion of the title page of each catalog. Supplements and labels should be distributed by the end of April.

The updated catalog will soon be available online at www.uiuc.edu/admin_manual/pos/current/index.html.

If you have any questions, contact Janet Osterbur at posterbu@staff.uiuc.edu.

Get fit for free April 23-39

IMPE offers free week

Campus Recreation is offering free access to its programs and facilities during its free faculty/staff week, April 23-29. Throughout the week, there will be free use of the IMPE building for all university employees showing valid I-cards.

During the free week, guests have the opportunity to tour the IMPE facility and receive a free gift and enjoy 40 percent off all beverages at the Espresso Royale Rush Juice and Smoothies Bar. During evening hours on April 24, families of faculty and staff members also are welcome. Summer memberships go on sale May 3 in 140 IMPE.

For more information about faculty/staff week or information about membership, call 333-3060 or visit the Campus Rec Web site at www.campuscure.uiuc.edu.

Fiscal year 2001-2002

Campus holidays announced

The office of the Vice Chancellor for Administration and Human Resources has announced the holidays for fiscal year 2001-02 for the Urbana-Champaign campus:

July 4: Independence Day
Sept. 3: Labor Day
Nov. 22: Thanksgiving Day
Nov. 23: Designated holiday
Dec. 24: Christmas Eve (Morning/designated holiday and afternoon/gift day)
Dec. 25: Christmas Day
Dec. 26: New Year’s Day
Jan. 1: New Year’s Day
Jan. 21: Martin Luther King Jr. Day
May 27: Memorial Day

In addition employees have two floating holidays that can be taken anytime during the fiscal year; the scheduling of these holidays is subject to departmental approval.

Because many university activities must continue throughout the holiday period, some employees may be required to work on days designated as holidays as well as the prescribed work days to provide services determined by their supervisors.

People, politics and ecology

William Allen, a reporter for the St. Louis PostDispatch, will talk about "Covering the Tropical Forest: Literary Journalism, History and Ecology" from noon to 1 p.m. April 24 in Room 123 of Gregory Hall as part of the journalism department’s "Books by Discussion" series. Allen’s new book, "Green Phoenix: Restoring the Tropical Forests of Guatemala," is his first book to explore the world’s largest-scale attempt to restore a ruined tropical forest region.

Allen also will appear April 24 on "Focus 590" on WILL-AM (590) at 10 a.m. and will be at the "Author’s Corner" in the Illini Union Bookstore at 5 p.m. Allen, who earned his master’s in journalism at the Urbana campus and a master’s in history at the Chicago campus, has covered science, the environment and medicine for the Post-Dispatch since 1989. Prior to coming to St. Louis, he worked for the City News Bureau of Chicago, United Press International, Argonne National Laboratory, and the UI News Bureau. His articles have appeared in The Sciences, BioScience, The Scientist, World Book Health & Medical Annual, Earth, Harvard Magazine, Supercomputing Review and Genetic Engineering News.

Donate records, CDs equipment

Beginning April 23, WILL Radio will accept donations of used audio equipment as well as used records, tapes and CDs in preparation for its Vintage Vinyl Used Record Sale. Items may be donated through June 1.

To arrange for drop-off of used audio or stereo equipment, call 333-1070. Records, audio and VHS tapes, and CDs may be dropped off in the following locations:


Danville: Danville Eye Clinic and Cataract Center, 1104 N. Vermilion St.

Decatur: Hickory Point Bank, inside Hickory Point Mall; Schnucks, 2800 W. N. State St.

Mahomet: Busey Bank, 312 E. Main St.


Rantoul: Busey Bank, 200 E. Sangamon Ave.

Savoy: Pages for All Ages, 1201 Savoy Plaza.


St. Joseph: St. Joseph Apothecary, 218 E. Lincoln; Busey Bank, 104 N. Main

Tolono: Busey Bank, 128 Holden St.

Urbana: ArtMart, Lincoln Square Mall; Busey Bank, 201 W. Main St. and 1717 Philo Road

Sunnysweet Mall; Schnucks, 200 N. Vine St.; Record Service, 621 E. Green St.; Land’s End, 2009 N. Prospect Ave.; Schnucks, 109 N. Mattis Ave.

Submit records, CDs, equipment

Donate records, CDs equipment

The Vintage Vinyl Sale, which benefits public radio stations WILL-AM (580) and WILL-FM (90.9/101.1 in Champaign-Urbana), will take place June 9 at Marketplace Mall in the former Camelot Music and Hallmark stores near the former J.C. Penney.

A ‘Celebration of African, African-American Cultures’

Music, dance featured April 21

The music and dance of performers Irene Chigamba and Chris Mhlanga of Zimbabwe and the storytelling of Illinois’ and Linda Gorham will be featured April 21 in the concert “Ancestral Voices: A Celebration of African and African-American Cultures.” The performance will begin at 7:30 p.m. at the Campus Recreation Center, 505 W. Stoughton Ave. Admission is $5 per person. Service organization Psi Iota Xi will provide dessert for sale during intermission.

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Events scheduled for Disability Awareness Week

Disability Awareness Week takes place April 22-28, and the UI has scheduled a number of activities in recognition of the event:

**Sunday, April 22**
10 a.m. to 5 p.m.: 23rd Annual Delta Sigma Omicron Wheel-a-thon, an annual charity fund-raiser. Participants collect pledges for the number of laps they push in a wheelchair around the Quad. To register or pledge, go to Room 136 Rehabilitation Education Center, 1207 S. Oak St., Champaign. Registration also will be accepted at the event. For more information, contact the Delta Sigma Omicron office, 333-4607.

**Monday, April 23:**
12:30 to 2:30 p.m.: Accessible Golf Education and Clinic, Just For Fun Golf Range, 301 E. Wilburheights, Champaign. Sponsered by Marjorie M. Butcher Hospital and Clinics and the U.S. Golf Association, the free clinic will provide individual and group instruction with an emphasis on modified techniques to fit the needs of the disabled.

6 to 7 p.m.: Tour Beckwith Hall. 7 to 9 p.m.: “My Left Foot,” the most acclaimed film of 1990, features Daniel Day-Lewis’ Academy Award-winning performance as Christy Brown, a man who triumphs over impossible odds to achieve greatness, 314B Illini Union.

**Tuesday, April 24:**
2:30 to 5 p.m.: Ice Sports Clinic, Ice Arena. Come try the specially designed sleds for ice hockey, racing and skating, or bring your friends and put together a team for a game of broomball.

6:30 to 8 p.m.: “Telemedicine: The Virtual Rehabilitation Clinic for Children in Iowa,” the 2001 Michael J. Ellis Distinguished Lecture on Disability Science and Practice, given by Dennis C. Harper of the University of Iowa, Levis Faculty Center. To register for the lecture, call 333-9155 or e-mail mlswanso@uiuc.edu.

6 p.m.: Cosmopolitan Club, John Street between Third and Fourth streets. Chih-Chun Huang will present improvisation to the music of Brazilian composer Hector Villa-Lobos, as part of the club’s Brazilian Night.

And extending Dance Day beyond its traditional 24-hour time span, Kara James and Kristy Kuhn will present a structured improvisation at 6 p.m. April 30 on the outdoor platform surrounding the undergraduate library.

**School of Social Work offers to help ‘break the cycle’ Workshop offers help for addicts**
People who have dealt with addiction, or the family disorder that often surrounds it, may find assistance in a workshop April 27 in Urbana. Claudia Black, a well-known lecturer and author on addictive disorders and families, will lead the workshop, titled “Breaking the Cycle of Addiction.”

Black is the author of “It Will Never Happen to Me,” a book that sold 2 million copies and was written for people raised in addictive homes; “My Dad Loves Me, My Dad Has a Disease,” a book for children from addictive families; and “It’s Never Too Late to Have a Happy Childhood,” for adults trying to deal with painful experiences from childhood.

Black is the clinical consultant of addictive disorders for The Meadows, an addiction/treatment center in Wickenburg, Ariz. Her writing has appeared in numerous publications, including Newsweek and The New York Times, and on television programs such as “The Today Show” and “The Oprah Winfrey Show.”

The daylong workshop, sponsored by the UI School of Social Work and its alumni association, will be held at the Holiday Inn, 1001 Killarney. Registration is open to the public at a cost of $125. Those interested should call the Office of Campus Life at 333-2251.

Center for African Studies, College of Engineering Technology, development in Africa
A three-day symposium, “Technology and Development in Africa,” is being sponsored by the UI’s Center for African Studies and the College of Engineering in cooperation with the African Academy of Sciences.

The symposium, held April 26-28 at the Beckman Institute auditorium, will include more than 40 technical experts in the sciences, engineering, social sciences and humanities together with politicians and policy makers from Africa and around the world to deliberate on the role of technology in African development. Special emphasis will be placed on information technology and biotechnology and their impact, education, business, governance, health, environment and agriculture.

The symposium is open to the public. For more information, call the Center for African Studies at 333-6355 or visit: www.afst.uiuc.edu/techdev/.

There will be a dance at 8 p.m. April 28 at Stone Creek, Urbana, featuring dancer Irene Chigamba and mbira music and dance from Chris Mhlongo. Tickets for the dance are being sold in advance at the Center for African Studies, 210 International Studies Building. Tickets will not be sold at the performance.
New FAA minor offered in international arts

By Melissa Mitchell
News Bureau Staff Writer

Beginning this fall, UI students may elect to pursue a minor concentration of studies in international arts. Developed and administered by the UI’s College of Fine and Applied Arts, the international arts minor will be an option for all UI students, regardless of their college enrollment. Participating students will select from a coherent body of course work focusing on other cultures and societies.

To satisfy requirements of the minor, students must successfully complete 18 credit hours of approved course work. The course list will include a “foundation course,” on the fine and applied arts, society and culture; electives that explore the fine and applied arts of other cultures; two courses that focus on one distinct cultural region outside of North America; one course on global themes and perspectives; and one relevant course in a cultural region outside of North America. Students also may receive credit for relevant courses taken while participating in the UI’s Study Abroad Program.

Kathleen F. Conlin, dean of FAA, said the international arts minor was created as a new approach to understanding world cultures and societies through their art, design, dance, music, theater, architecture, built environment and cultural practices. “These studies have traditionally been offered through the social sciences, e.g., economics, political science, agricultural policy and the like,” Conlin said. “But in a post-Cold War, increasingly borderless world, where cultural influences move rapidly around the world, she said, “faculty and staff members in FAA and the UI’s International Programs and Studies recognized the need for a fresh approach to international studies,” she said.

The roots of the new minor can be traced to the success of a 1997-98 pilot program funded by a Ford Foundation grant to the UI to support an initiative called “Revitalizing Area Studies: Crossing Borders.” The UI subsequently received a three-year renewal grant to continue the program, which brings together undergraduate and graduate students from a wide variety of academic disciplines for seminars and arts practicums. The overarching theme is “Area Studies, Identity and the Arts,” and this year’s theme is “Transnational Culture Industries: Local Sites of Artistic Production.”

The international arts minor was originally promised in our Ford Foundation proposal,” Conlin said. “We wanted to institutionalize the work initiated in the Ford seminars so students who came after this could benefit from this fresh approach to international studies.”

Conlin added that FAA’s emphasis on the international dimension also is a direct response to strategic goals for the campus outlined in UI Chancellor Michael Aiken’s 1995 “Framework for the Future” document.

“A new of the Framework’s strategic goals was to internationalize the curriculum,” said Conlin, who noted that the arts are inherently international and that FAA has been building momentum toward that goal for some time. As evidence, she cited strong programs in Japanese arts and culture; landscape architecture programs in India; the longstanding architecture program in Versailles, France; urban and regional planning programs in Indonesia; and research and course work on South African theater. The minor is accompanied by a two-page list of courses with international themes, and, Conlin said, the list is growing.


ACHIEVEMENTS, FROM PAGE 9

news bureau

Mark Reutter, News Bureau research editor, served as a story consultant and was interviewed on-air for an episode of PBS’ series “American Experience.” The episode, titled “Streamliners: America’s Lost Trains,” which explored the rise and fall of an American transportation system, was broadcast in February. “American Experience” is a production of WGBH Boston.

student affairs

Orlo Austin, director of Student Financial Aid, recently was elected president-elect of the Illinois Association of Student Financial Aid Administrators (ILASFAA). ILASFAA is the professional association for higher education financial aid administrators in Illinois, with a membership of 600 people from 140 institutions.

uni high

University High’s student newspaper, the Gargoyles, won a Newspaper Pacemaker Award, the highest honor given by the National Scholastic Press Association. The Gargoyles was one of 23 student news publications in the country to win the award for issues published during the 1999-2000 school year.

ui press

Judith McCullough, assistant director for development at the UI Press, has been elected to a three-year term as member at large on the American Folklore Society’s executive board. In addition, she will chair the APS publications committee.

Class offers different beat

UI dance students move and groove to the beat of a different drum in a class offered as part of a three-year program funded by the Ford Foundation. The theme of this year’s program is “Transnational Culture Industries: Local Sites of Artistic Production.” During the fall semester, two groups of students—undergraduates and graduates—met for seminar sessions; this spring, participants are divided into two groups: research and arts practicums.

The dancers, from the arts-practicum track, are working with Irene Chigamba, dance teacher from Zimbabwe; a second group of students is learning drumming and mbira techniques from Chris Mhlanga, a musician from Zimbabwe.

The arts-practicum students meet separately with the visiting artists once a week for hands-on experience, then come together as a group in a weekly seminar session led by UI music professor Tom Turino, coordinator of the arts-practicum track.

This summer, the students will travel to Zimbabwe for 3 1/2 weeks, accompanied by Turino, to continue their studies under the two artists and to conduct research on Zimbabwe music as part of the World Beat music genre.

Three UI faculty members to receive Sloan fellowships

Three UI faculty members have been selected to receive the 2001 Sloan Research Fellowships from the Alfred P. Sloan Foundation. The UI winners are Wilfred van der Donk, chemistry; Jared C. Bronski, mathematics; and Karin A.S. Dahmen, physics.

The three are among 104 outstanding young scientists and economists from 51 colleges and universities in the United States and Canada chosen to receive Sloan fellowships. The winners were selected from among hundreds of highly qualified scientists in the early stages of their careers on the basis of exceptional promise to contribute to the advancement of knowledge. Twenty-six former Sloan Fellows have received Nobel prizes, and hundreds have received other prestigious awards and honors.

The fellowship program is 46 years old. With the current awards, the foundation has spent nearly $92 million for support of more than 3,600 young researchers. Candidates for the fellowships are nominated by department chairs and other senior scholars familiar with their talents.

The fellowship program provides each fellow with a grant of $40,000 for a two-year period; the grants are administered by each fellow’s institution. Fellows are free to pursue whatever lines of inquiry are of most interest to them, and they are permitted to employ fellowship funds in a wide variety of ways to further their research aims.
Father/daughter duo

Eighty-two-year-old Ravi Shankar is renowned throughout the world for his pioneering work in bringing Indian music to the West. He has been a cultural influence in the West for more than three decades as India’s most recognized and esteemed musical ambassador. Ravi and his daughter, Anoushka, a gifted student, bring Indian music traditions to Krannert Center for the Performing Arts at 8:30 p.m. April 27 in Foellinger Great Hall. Tabla players Tanmay Bose and Bikram Ghosh and tanpura artist Sunjay Sharma also will perform.

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26 Thursday

Junior Recital. Elizabeth Eden, soprano. 19:30 p.m. Recital Hall, Smith Hall.

Junior Recital. Eurydice Han, piano. 11 a.m. Recital Hall, Smith Hall.

Senior Recital. Sridhar V. Sridhar, bassoon. 2 p.m. Foellinger Great Hall, Krannert Center. A 13-member band, the All Stars will include an ensemble of guitar, fiddle, accordions, banjo, bass and percussion.

25 Wednesday

Doctor of Musical Arts Recital. Jun-Ioo Chang, piano. 4:30 p.m. Recital Hall, Smith Hall.

Studio Recital. 6 p.m. Recital Hall, Smith Hall. Piano students of Gustavo Romero.

UI Wind Symphony, James F. Kenne, conductor. 8 p.m. Foellinger Great Hall, Krannert Center. With Debra R. Richter, saxophone. Richter will be featured in the Colgrass Concerto for Saxophone and Wind. Ensemble along with works specially composed for the wind symphony. Admission charge. School of Music.

UI Jazz Band III. David Diamond, leader. 8 p.m. Studio Theater, Krannert Center. Traditional big band jazz. Admission charge. School of Music.

Afro-Cuban All Stars. Juan de Marcos Gonzalez, singer, tres, band leader. 8 p.m. Tryon Festival Theatre. Krannert Center. A 13-member band, the All Stars unite four generations of Cuban musicians. Admission charge.

Doctor of Musical Arts Recital. Sodoyan Yon, piano. 8 p.m. Recital Hall, Smith Hall.

24 Tuesday

Voice Division Recital. 11 a.m. Recital Hall, Smith Hall. Studio of Frances Crawford.

UI Trombone Choir, UI Trombone Ensemble and UI High School Lab Trombone Choir. Elliot Chang and Andrew Williams, conductors. 8 p.m. Foellinger Great Hall, Krannert Center. Transcriptions and original works for trombone ensemble of various sizes will include a medley of Beatles songs along with Eric’s “arrangement” of “76 Trombones.” Admission charge. School of Music.

Afro-Cuban All Stars. Juan de Marcos Gonzalez, singer, tres, band leader. 8 p.m. Tryon Festival Theatre. Krannert Center. A 13-member band, the All Stars unite four generations of Cuban musicians. Admission charge.

Afterglow. Noisy Gamers.
Friday, April 20
10:00 a.m.-1:00 p.m. Clock Tower. "Dr. Jekyll and Mr. Hyde" by Robert Louis Stevenson. For more information, contact the English Department, 217-333-6769.

11:00 a.m.-2:00 p.m. Illini Union Room 220. "Miss America." For more information, contact the Women's Studies Program, 217-333-0923.
CALENDAR, CONTINUED FROM PAGE 15

Praus, UI. Center for Advanced Study and Illinois Program for the Research in the Humanities. 9th Annual Ice Show. 7 p.m. UI Ice Arena. The "True 9th Annual Ice Show. Advanced Study and Illinois Recreation Center, 51 E. Gregory Drive, 333-7250, or e-mail CampusRecres@uiuc.edu. Admission charge. Campus Recreation. Coffee Hour: Sri Lanka. 7:30 p.m. Campus Recreation Center, 507 E. John St., Champaign. Trudy van der Straaten will discuss the overview to make reservations, call 367-4079. Campus Recreation.

3 Thursday Cranberry Day Trip. 9 a.m.-4 p.m. Meet at Outdoor Recreation Center, 51 E. Gregory Drive, Champaign. CampusRec. Rec will provide the transportation and horse fees for two hours for a day trip to a local horse-rider-riding area. For more information, visit the Campus Recreation Web page, call 333-7250, or e-mail CampusRecres@uiuc.edu. Admission charge. Campus Recreation.

Saturday Horseback Trail Riding Trip. 9 a.m.-5 p.m. Meet at Outdoor Recreation Center, 51 E. Gregory Drive, Champaign. CampusRec. Rec will provide the transportation and horse fees for two hours for a day trip to a local horse-rider-riding area. For more information, visit the Campus Recreation Web page, call 333-7250, or e-mail CampusRecres@uiuc.edu. Admission charge. Campus Recreation.

Saturday “...and the Horse.” 10:11-3 10 a.m. University History Building. For kindergarten and first grade students. Learn wonderful things about animals and snacks. Pre-registration is required and a $5 fee will be charged; call 244-3555 for more information. Natural History Division, Spurlock Museum. More calendar of events

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The institute will serve, in effect, as Social Security’s research arm in the area of disability, said Chrisna Schiro-Geist, the managing director of the institute, part of the UI’s College of Applied Life Studies (ALS). The agency will spend an estimated $90 billion this fiscal year on disability programs, providing in-will need a research base for dealing with numerous issues. The institute, located in the Rehabilitation and Education Center at 1207 S. Oak St., Champaign, will build on the cornerstone of a five-year, $25 million SSA grant, awarded last May. From that base, the institute will seek additional research grants, from SSA and elsewhere, said Tanya Gallagher, dean of the College of Applied Life Studies and scientific director of the DRI. The research areas involved could be as diverse as health, economics and technology, Gallagher said. “One of the important benefits of the Disability Research Institute is that it provides a mechanism for recruiting scholars from diverse research areas to become more involved with issues inside and outside the disability community,” said Gallagher. Gallagher noted, in another one of many names of where (the University of Illinois) has broken ground for the benefit of individuals with disabilities . . . it’s just one more step in that evolution.” The UI was the first to establish a comprehensive program for students with disabilities, in the late 1940s, in what became the Division of Rehabilitation-Education Services, part of ALS. The program led to pioneering efforts in areas such as accommodations for building accessibility, a wheelchair accessible bus system and wheelchair sports. Many credit those efforts as playing a key role in the disability rights movement and major federal disability legislation, such as the Americans With Disabilities Act. And the UI’s reputation has continued into the present, with about a half century publications in recent years having rated the UI campus as among the top 10 in national rankings, one of those rating it No. 1. That history and current reputation may have aided the UI in winning the grant for the new center. Gallagher said, but just as important, if not more so, was the high level of diverse expertise brought together from the campus at large. Participating units include the Division of Rehabilitation-Education Services, the National Center for Supercomputing Applications, the Institute of Labor and Industrial Relations, the Institute of Government and Public Affairs, the Graduate School of Library and Information Science, and the Office of Continuing Education. Beyond the campus, the three universities are serving as affiliate partners in the SSA grant: the University of Chicago, Northwestern and Rutgers universities. Other universities involved include the UI at Chicago, Southern University in Baton Rouge, La., and the University of Wisconsin at Stout. The SSA awarded the grant for the institute as part of an effort to deal with a variety of administrative, policy and fiscal concerns related to SSA’s disability programs. Key among those is the definition of disability itself, said Schiro-Geist, a professor in the field of rehabilitation counseling. “What it is to be disabled in 2002 is a lot different from what it was to be disabled in 1954 (when Social Security’s disability programs were established). You’re talking about a half century of changes in technology, attitudes, etc.” Along with funding from the SSA, the new institute also may benefit from early attention to disability issues by President George W. Bush. Within a few weeks of taking office, Bush announced his New Freedom Initiative for people with disabilities. The initiative is designed to increase access to assistive technologies and expand opportunities in the areas of education, work and community life. Gallagher, as a dean, sees the new institute as significant for the College of Applied Life Studies because it fits well with an existing research focus on quality-of-life issues. In a broader sense, she said, the research conducted through the DRI may grow in significance and disability or “constraining conditions” become a larger issue for an aging population. More information about the DRI can be found at the institute’s Web site: www.prairienet.org/arts/dri.