The case of the shrinking iguanas
When weather changes, reptiles shrink to survive on less food

By Jim Barlow
News Bureau Staff Writer

Measurements showing vertebrate animals getting smaller during the course of a study normally are dismissed as measurement error or not possible. Eighteen years of data from the Galapagos Islands, however, indicate such shrinkage is both occurring and reversible.

In the Jan. 6 issue of the journal Nature, scientists studying marine iguanas of two island populations report that the herbivorous reptiles shrink as much as 6.8 centimeters (2.7 inches) — up to 20 percent of body length — over two years. The iguanas (Amblyrhynchus cristatus) were shrinking, the scientists report, to increase their survival chances during a change in the weather.

Shrinkage was noted in 1982-83, 1987-88, 1992-93 and 1997-98. The measurements were noted and dismissed, but a pattern was soon much to ignore,” said Martin Wikelski, a professor of ecology, ethology and evolution at the UI. “We thought that this couldn’t be an artifact, so we plotted out the data. It turned out to be very interesting.

The iguanas eat algae along the tidal basins of the rocky shores of the Galapagos archipelago off Ecuador. The islands normally experience cold, nutrient-rich currents from both the west and south. During El Niño years, however, warm currents and heavy rains raise water temperatures. Less digestible brown algae replaces the iguanas’ preferred green and red algae.

In years immediately after El Niño events, surviving iguanas ate well and got fat, then started growing longer again, Wikelski said. For instance, 600 iguanas were measured and marked in 1992. Following the subsequent El Niño, they were monitored. The larger iguanas — those more shaded — would not be as well equipped for the cold.

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Lethal experiments stopped until further examination

By Becky Mabry
Assistant Editor

Officials in the UI College of Veterinary Medicine have decided to stop the use of lethal animal experiments in first-year physiology courses. The decision brings to a halt the use of lethal animal experiments in first year veterinary medicine courses for the spring semester, according to UI officials.

A committee of faculty members from the college will study the issue in the meantime to decide whether or how the experiments should continue in the future, according to Robin Kalter, spokeswoman for the university.

The decision brings to a halt the use of lethal animal experiments in first-year physiology classes. The animals were used and then killed as part of class procedure to show the results of physiological experiments.

Students who had declined to do the lethal experiments, but some first-year students said they were asked for alternatives.

Ice Age clothing more advanced than previously thought

By Andrea Lynn
News Bureau Staff Writer

Archaeologists have discovered what the well-dressed Ice Age woman wore on ritual occasions. Her outfit, however, including accessories, doesn’t resemble anything Wilma Flintstone ever wore, or, for that matter, any of our carved-in-stone conceptions of “paleofashion.”

Instead, the threads of at least some Ice Age women included caps or snoods, belts and skirts, bandeaux (banding over the breasts) and bracelets and necklaces — all constructed of plant fibers in a great variety of cloth, from twined and basket wear to plain weaves. While styles varied across Eurasia, the finest weaves are “comparable to not only Neolithic but even later Bronze and Iron Age products, or, in fact, to thin cotton and linenwear worn today,” Olga Soffer, James Adovasio and David Hyland wrote in an article to be published in Current Anthropology.

The evidence for Ice Age summer fashions comes in part from 80 textile impressions Soffer found on tiny clay fragments in the Czech Republic. The impressions are “the earliest evidence for corsetage and textile production in the world and reflect technologies here-tofore associated with much later periods,” the archaeologists wrote.

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Trustees discuss chief issue, approve new computer science building and review designs for research park anchor, Motorola

By Sahmyna Cornish
UUC News Bureau

At its Jan. 13 meeting in Chicago, the UU Board of Trustees restored its support for open discussion about Urbana-Champaign’s athletic symbol, Chief Illiniwek.

Trustees did not discuss the resolution that stated the board “reaffirms its commitment to a civil process of debate” about Chief Illiniwek.

The trustees have not formally addressed the controversy since passing a resolution 10 years ago retaining the use of the chief as the athletic symbol.

The resolution that opens discussion also states that university administration will “devise and maintain appropriate strategies so that these issues will be discussed in an open and respectful manner.”

In other business, the trustees approved the construction of a new computer science building. The $74 million building will be financed through private gifts and matching state funds and will be located east of Newmark Laboratory.

Officials said the building is needed because the department of computer science is “poised on the verge of a tremendous growth spurt.”

Designs for the Motorola PCB’s Design Center also were unveiled. The new Motorola center will anchor the proposed UI Research Park on the South Campus. Motorola plans to build on three acres at the southwest corner of First Street and St. Mary’s Road.

Brick will be used for the exterior of the three-story Motorola building, which will have a pitched roof. The design is sensitive to other university buildings that will surround the design center.

The first phase of the project has two stories of the building being built with space for future expansion. The first floor contains space for a library, training rooms, shipping and storage. The second floor will have office space and central testing and computer support rooms. Computer labs will be located on both floors.

Also, trustees approved a $79,000 contract with a Maryland consulting firm to help the UI negotiate a master development agreement for the proposed Science and Engineering Technology Commercialization Initiative Research Park. The firm of Hammer, Siler, George Associates of Silver Spring, Md., will help UI officials get financing for the park, as well help in the marketing, organization, implementation and negotiations with selected firms.

Other business

• The trustees also approved a $4.2 million expansion of the Child Development Research Lab. The new building will provide childcare for an additional 96 children, about half for children younger than age 2. Urbana employees have been asking the university to provide more daycare. Officials propose that increasing childcare capacity to include infants and toddlers will help with recruitment and retention of faculty members. And expanding the Child Development Laboratory is consistent with the UI’s goal of establishing a family-friendly work environment for employees.

• Football Coach Ron Turner’s contract was extended to Jan. 20, 2005, and his salary, including broadcasting and other compensations, was increased from $430,000 to $575,000 for the year 2000.

• A two-time Urbana-Champaign alum was chosen to head the board of trustees at its annual meeting last week.

• William Engelbrecht, a Republican elected to the board in 1994, will serve as chairman for a one-year term. He received his bachelor’s and master’s degrees from Urbana.

Engelbrecht replaces trustee Jeffrey Gindorf, a Crystal Lake physician, who served as chairman for the past year.

Changes in chancellor’s office announced

By Craig Chamberlain
News Bureau Staff Writer

Several staff changes will be taking place later this spring in the Office of the Chancellor on the UI campus.

Lawrence Mann, associate vice chancellor for research, will become an associate chancellor, focusing mainly on policy planning and serving as liaison to the Division of Intercolligate Athletics. He will assume his new duties April 21, replacing Judith Rowan, who is retiring after 33 years with the university.

William Berry, a professor of advertising, journalism and media studies, and associate director of the Institute of Communications Research, also will become an associate chancellor. In his new duties, which he will assume May 21, Berry’s primary responsibility will be to advise the chancellor on issues and policy related to the diversity of campus faculty and staff members and student body. He also will be responsible for oversight of the campus Office of Equal Opportunity and Access (formerly the Office of Affirmative Action).

Berry will replace William Trent, a professor of educational policy studies and of sociology, who left the associate chancellor position last August to return full-time to teaching. Rowan has assumed his duties in the interim. Berry, whose appointment to the associate chancellor position will be half-time, as was Trent’s, will continue in his faculty appointment.

Prior to his appointment as associate vice chancellor for research in 1996, Mann held a variety of campus administrative positions. He earned his bachelor’s degree from Illinois State University, and master’s and doctoral degrees from the UI. He also is an adjunct professor in the department of educational organization and leadership.

Berry joined the university faculty in 1991 after 10 years with Ameritech and Illinois Bell in Chicago, during which time he also taught courses at Roosevelt University and Columbia College. Prior to that, he was managing editor of Jet Magazine and a senior staff editor with Ebony Magazine. He earned his bachelor’s degree from Morehouse College in Atlanta, and his master’s and doctoral degrees from the UI.

clarification

The list of languages appearing in the Dec. 18 issue of Inside Illinois was not intended to be a comprehensive list of languages taught at the UI, although it does represent the most commonly taught courses. Among those missing that readers were quick to tell us about were Swedish and Quechua (a native language in the Andes Mountains).

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Engineering receives funding for endowed fellowships

The College of Engineering has received a $2 million gift for endowed fellowships from the Roy J. Carver Charitable Trust of Muscatine, Iowa.

The first Carver Fellows are expected to be named next fall. A committee, being formed, will establish criteria for awarding the fellowships, which are stipends awarded to graduate students.

"The Carver Fellowships will become a prominent feature in our recruiting efforts, and the awarding of the fellowships, along with the ongoing recognition of Roy J. Carver, will become an annual celebration in the life of the college," said William Schowalter, the dean of the college.

Carver, who died in 1981, was an Illinois native and graduated from the Urbana campus in 1934 with a bachelor’s degree in engineering. He founded Carver Pump Co. and moved to Muscatine in 1942.

There, he established Carver Foundry Products. While visiting Europe in 1956, Carver saw unusual-looking retreaded tires on a car. The next year, he purchased the North American Tire Retreading Corp. and moved to Urbana.

Carver Pump Co. was renamed Carver Foundry Products, and Carver purchased the North American Tire Retreading Corp. in 1957. He moved to Urbana in 1958.

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By Mark Reutter
News Bureau Staff Writer

Ten and a half years ago, Stonehouse said, "It was the car that really hastened Campustown's decline," Stonehouse said. "It was the car that really has led to a great downward slide in the human population south of campus in the 1950s. The small, five-frame, one-room campus environment was turned into a geyser with the expansion of the campus in the 1950s. It sprang up between the "twin cities" to service the student populace.

The "twin cities" to service the student populace. Another new feature was the use of neon lighting inside. Three tiers of red, blue and green lights would reflect this Illini mood." According to the Courier.

The Co-Ed Theater in the heart of Campustown served up a series of first-run features to students, faculty and staff members, and Champaign-Urbana-area residents. It closed in October for lack of moviegoers. The building is scheduled to be demolished this month. A four-story technology building will go up in its place.

Reconstruction of Green Street itself is slated for spring 2001. Not only will the road be resurfaced between Wright and First streets, but the number of traffic lanes is expected to be reduced from four to three. Surveys have found that speeding, turning, honking vehicles are a major source of irritation for people shopping in Campustown.

The sidewalks will be widened and realigned to form a pedestrian-friendly zone with park benches, brick pavers, trees and flower beds. The idea, Guth said, is to give Campustown "a safe, old-timey, Main Street feel." Later this year, sprucing up will begin around the western portal of Campustown, namely the viaduct that takes Green Street under the Illinois Central railroad tracks.

Plans for a parking garage at Sixth and Green streets are in limbo because of the high projected cost of the deck structure. Efforts are under way to determine whether a private-public partnership could be arranged with development on the green roof of the garage, Guth said.

A 1/2-cent boost in the food and beverage sales tax – plus recent parking-meter fees – will help to underwrite the Green Street as well as other infrastructure improvements. The Redevelopment Incentive Program (RIP), for example, will pay $300 for the first $4,000 in real estate sales tax – plus recent parking-meter fees.

The new theater seated 900 and had an average sales tax – plus recent parking-meter fees.

Once upon a time one could smoke in the upper tier of the Co-Ed Theater. Ashtrays were built into the backs of the seats.

In 1965, when the Beatles' movie "A Hard Day's Night" opened at the Co-Ed, a girl from Urbana High School tiptoed into the projection room and stole a reel of the film. She was caught a few days later when she couldn't resist showing it around school.

And in November 1965, a time capsule was to be opened in October 2015, was buried under the sidewalk in front of the theater. The capsule contains pictures of football great Jim Grabowski, a UI student directory, and a list of current movie ticket prices as well as dozens of other items relevant to the times, according to a story in a new public relations firm.

Since opening day Sept. 9, 1938, the Co-Ed Theater in the heart of Campustown served up a series of first-run features to students, faculty and staff members, and Champaign-Urbana-area residents. It closed in October for lack of moviegoers. The building is scheduled to be demolished this month. A four-story technology building will go up in its place.

Demolition of Co-Ed Theater scheduled

By Becky Mabry
Assistant Editor

The Co-Ed Theater is scheduled to be demolished later this month to make way for a four-story technology building. Photos by Bill Wiegand

The Co-Ed Theater is scheduled to be demolished later this month to make way for a four-story technology building. Photos by Bill Wiegand
Numerical method optimizes aero-assisted orbital interceptions

By James E. Kloskep
News Bureau Staff Writer

Future spacecraft may use a planet’s atmosphere to generate aerodynamic forces that modify the craft’s orbit without using fuel. UI researchers have developed a numerical technique that can optimize the paths of these aero-assisted orbital transfer vehicles.

“Today’s spacecraft use propellant-powered thrusters to move from one orbit to another,” said Bruce Conway, a professor of aeronautical and astronautical engineering. “But each pound of fuel carried aloft means a corresponding reduction in the weight of the mission payload. A next-generation spacecraft may switch orbits at a substantial fuel savings by dipping into the atmosphere, generating aerodynamic lift and drag on airplane-like control surfaces, and then climbing to a new orbit.”

The concept is similar to aerodynamic braking, a technique that uses a planet’s atmosphere to reduce the speed of a space vehicle. Aerodynamic braking was used successfully for the Mars Global Surveyor vehicle. Aerodynamic braking was used for the Mars Global Surveyor mission, currently in orbit around the red planet.

“It would have been far too costly to send that spacecraft to Mars with all the necessary fuel to place it in the desired planet. But an interesting and non-intuitive result was that in some cases, even if the spacecraft carried enough fuel to intercept the target, it was more efficient to use the atmosphere,” Conway said. “Instead, the mission planners placed the spacecraft in a more accessible but highly elliptical orbit, and used aerodynamic braking to slow down the spacecraft and place it in the proper orbit.”

The technique uses a planet’s atmosphere to change the altitude, shape or plane of their orbits. Applied for the Mars Global Surveyor, these vehicles could use a planet’s atmosphere to change the altitude, shape or plane of their orbits. They could also be used to transfer an orbit from one phase to another, a professor of aeronautical and astronautical engineering, has developed a numerical technique that can optimize the paths of aero-assisted orbital transfer vehicles. These vehicles could use a planet’s atmosphere to change the altitude, shape or plane of their orbits.

In a paper published in the September–October issue of the Journal of Guidance, Control, and Dynamics, Conway and graduate student Kazuhiro Horie applied a numerical method they developed at the university.

“Optimal trajectories were found for the interception of a target in low-Earth orbit by a vehicle initially in a higher orbit, using aero-assist,” Conway said. “We obtained solutions for a wide range of target orbit inclinations and constraints, such as maximum allowed heating rates. We also found that our method could solve problems with demanding constraints that conventional methods could not.”

Using aero-assist made some interception possible that otherwise were infeasible because the spacecraft carried insufficient fuel. But an interesting and non-intuitive result was that in some cases, even if the spacecraft had enough fuel to intercept the target, it was more efficient to use the atmosphere, using a combination of conventional propulsion and aero-assist yielded a quicker intercept.

“Unlike other methods, our technique is particularly well-suited for solving problems where many complicated constraints are placed on the trajectory,” Conway said. “Our numerical method looks first for any trajectory that starts with the given conditions and satisfies the desired goal, then it optimizes that trajectory for the best possible solution.”

Millennial mischief missing

Year 2000 welcomed without significant mishaps

By Mark Reutter
News Bureau Staff Writer

“Y2K watch” was put to rest on the IMPE swimming pool had shut down. And there is still the risk of more problems to come to light as faculty members and students return to their computers and laboratories after the holiday break.

In 1999, the university. Electronic payroll accounts, pensions, taxes and credit-card bills and small. For example, the computer used to regulate chlorine in the IMPE swimming pool had shut down. “It’s now midnight and everything is OK here.”

That e-mail message, flickering across Andrea Ballinger’s computer screen in the pre-dawn hours of Dec. 31, was the first of many communications that presaged the easy rollout of university computers to the year 2000.

Beginning with the contact in Sydney, Australia, the campus Y2K team headed by Ballinger moved electronically to Russia, Italy, France and Brazil to keep globally abreast of potential computer conversion problems.

“I was most concerned about Russia,” Ballinger said. “Not necessarily about the universities there, but about the nuclear power plants, the missile systems and the water supplies.” The team happened to have a member visiting Russia, “and we got reports from St. Petersburg that the infrastructure was holding up fine.”

Ditto for Italy and France. The only computer “hiccup” was a relatively small number of credit-card users who failed to get authorization for their caviar and champagne around Paris. When midnight arrived in Brazil, “everyone there was partying away,” Ballinger said. The international telephone with the country was busy, but the e-mail worked without interruption.

The team then turned to CNN to watch the ball drop in Times Square, New York. Again, there were a few bumps on the wired world, but most humorously the misuse of some horse-track computers in Delaware that recorded overnight bets as having been wagered in 1900.

As the bewitching hour approached Central Illinois, the team reverted to “good ole” two-way radios to monitor campus facilities. Personnel at five check-points – Willard Airport, Cooperative Extension, Operation and Maintenance, the Computing and Communications Services Office (CCSO) and Administrative Information Technology Services (AITS) – were instructed to report back to the Y2K “command center” set up at the Public Safety Building.

But the radios proved not to be needed. Each reporting station was able to use campus e-mail to send in the status of its units.

“What we concentrated on was the infrastructure,” Ballinger said. “O&M was very quick to go through the key buildings and check if the power, heat, lights and the security doors were all functioning properly.”

The problems encountered were scattered and small. For example, the computer used to regulate chlorine in the IMPE swimming pool had shut down. “So we reset the time and the computer got back to work,” Ballinger said.

By 1 a.m., it was apparent that the rollover had gone smoothly. Charles C. Colbert, vice chancellor for administration and human resources, toasted the Y2K team with grape juice and people started drinking films.

Campus personnel returned over the long New Year’s weekend to review more units. A number of desktop computers displayed the wrong date, a “glitch” easily corrected.

Ballinger expects other Y2K-related matters to come to light as faculty members and students return to their computers and laboratories after the holiday break.

And there is still the risk of more serious disruptions in the business systems that run by computers, both on campus and through the providers interacting with the university. Electronic payroll accounts, pensions, taxes and credit-card transactions are all subject to millennial mischief as the wired world marches forward.
And now, live, from Champaign-Urbana, it’s …

The next time Bernard Shaw, Peter Jennings and their TV news colleagues call in search of UI experts to appear on a network news show, it will be much easier to oblige them.

The installation of a fiber-optic line between the WILL studios at Campbell Hall and a company in Chicago that can retransmit the signal instantaneously to any network means UI faculty members can participate in live interviews without having to go to Chicago, New York or another site with live-transmission capabilities.

This system will give our faculty members the chance to showcase their research and to comment on breaking stories and other issues before national and international audiences,” said Robin Kaler, the director of communications for the Urbana campus.

The system ideally will work like this:

Ted Koppel’s producer sends out an advance to the university News Bureau or Office of Public Affairs that he’s seeking someone today to appear on “Nightline” to talk about antibiotic-resistant bacteria. The bureau contacts the campus expert(s) on the topic, makes sure they’re available and willing to appear on the program, and then makes two calls: one to the campus Communications and Computing Services Office to open the line to VYVX, the company in Chicago; the second to WILL to set up a studio and get a production crew together. Then it’s just a matter of making sure everyone’s in the studio at the right time.

If a faculty member or department gets a call from a syndicated TV program or network urgently seeking an expert, that inquiry should be forwarded immediately to the News Bureau, 333-1085, which will make the arrangements with CCOSO and WILL.

The broadcast video link was created with funding from the Chancellor’s Office. G. David Frye, CCOSO communications engineer, led the efforts in setting up the equipment and now acts as service manager for its use. WILL staff members also helped establish the service.

New campaign touts benefits of UI

Those who work at the UI are aware that the three campuses do more than teach 65,000 students each year. But according to public surveys and focus group studies, the general public has a very superficial understanding of the largest and most complex university in Illinois.

Starting this month, the UI is launching a statewide campaign to emphasize how Illinois residents benefit from university activities. From advances in surgical techniques to new discoveries in farm-insect pest reproduction – the UI’s research has touched millions of lives and continues to do so as more discoveries are made each day. The campaign aims to heighten the university’s visibility by increasing knowledge of these contributions and thus enhance statewide support.

“Public perceptions of the university are generally positive, but the level of understanding of the university and its multiple missions is quite limited,” said Susan Trebach, the university’s executive director for public affairs. “Our main message is that research and service contributions of the university are of great value and affect the way we live,” she said.

The campaign has been developed and is being managed by the university’s central public affairs office and public affairs staff members from the three campuses. It is supported largely with private funds from the UI Foundation.

The first phase of the campaign will describe how the UI through the creation, development or use of technology, benefits the people of Illinois. Each communication clearly identifies the campus at which the specific work or program is taking place. “We are talking about high-tech innovations, but we also are talking about libraries being online, surgeons improving their ability to perform surgery through virtual reality, enhanced airline pilot training, cutting-edge diagnostic tools for ill pets, and a new way to wrap hay,” Trebach said. “There are many exciting examples of the use of technology in our lives and we want to emphasize the university’s contributions and connections to the newest technologies.”

The campaign involves efforts to attract media coverage of technology-related breakthroughs as well as print and radio advertising. Two half-page ads highlighting the UI’s leadership in technology are scheduled for the News-Gazette. The first appeared Jan. 17. Ads also will appear in the Springfield State Journal-Register, the Chicago suburban Daily Herald and Crane’s Chicago Business. Ads will appear in the Illinois editions of national publications such as Time, Newsweek and Business Week, Trebach said.

Underwriting spots already have begun to air on 11 public radio stations statewide.

In addition, a brochure, “Dividends of Technology: Fifteen Ways That the University of Illinois Benefits the People of Illinois” will appear in the Spring issue of an upcoming alumni magazines and then be mailed to an additional audience of 20,000.

“A distinguished speakers program that involves sending UI representatives throughout the state to talk to service organizations is being planned,” said Trebach, who started the project almost a year ago.

“The idea is that through personal contact we can offer our most compelling examples of what the university is contributing to Illinois.”

The campaign is strongly supported by President James J. Stukel and the UI Board of Trustees. Trebach said. This is the first time the university has made a concerted strategic effort involving all three campuses to highlight its accomplishments and the timing should be favorable because state support for higher education – and particularly the UI – is critical, she said.

“It is important for the people of Illinois to know what their investment in the university is all about, and that their support of the university is an excellent investment today and for the future.”

Spring noncredit courses and lecture series announced

By Craig Chamberlain

The basics of using the Internet, insights into local nature, and music from opera to Sousa to beginning piano. All are among the choices this spring in noncredit courses and lecture series sponsored by the UI.

Sponsored by the UI’s Office of Continuing Education, the personal and professional enrichment programs are presented in a noncompetitive, informal atmosphere with no exams or grades. Classes are taught primarily by university faculty members.

Early enrollment is encouraged since some classes may fill quickly. Enrollment is limited to people 18 years or older. Fees vary. Noncredit courses offer discounts to people 60 or older.

Among the courses:

• “The Seasons of Allerton.” Seasonal, specific natural and man-made wonders of Allerton Park. (Spring sessions will be April 22 and May 6; summer sessions will be July 15 and Aug. 5. Enroll in one or both.)

• “Meet the Inklings: The Fantasy and Mystery Worlds of J.R.R. Tolkien, C.S. Lewis, Dorothy L. Sayers and Charles Williams.” Participants explore samples of this circle of English writers’ works and share their own writing. (Nine weeks/Sunday evenings starting March 19.)

• “John Philip Sousa, the ‘March King.’ “ A look at the Iowa-born ‘March King’ and his UI connection. (Four weeks/Tuesday late aftersnoons starting Feb. 15.)

• “Creative Movement for Adults,” integrates exercises from various disciplines while developing poise, concentration and inspiration for the child within. (Six weeks/ Tuesday late afternoons starting April 4.)

• “The Making of a Museum.” Participants will see the preparation of the new Spurlock Museum – scheduled to open February 2001 – in progress. (Wednesday evenings, Feb. 16 and 23.)

• “The Ecological Wonders of the Twin Cities.” Natural habitats and wildlife native to Champaign County. (Five weeks/Friday afternoons starting April 14.)

Additional courses are being offered for individuals age 55 and older, including seven UI Elderhostel programs and eight Senior Scholar programs.

For more information, to register or receive Working the ‘Net Systems 2000 course catalog – listing both personal and professional enrichment programs and programs for older adults – call 333-7369.

Inside Illinois

Jan. 20, 2000

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**Job market**

The Office of Academic Human Resources, Suite 420, 807 S. Wright St., launches for faculty positions. For complete details, see job market at UIUC campuses at www.uihr.uiuc.edu/jobs.

**Academic professional**

**Admissions and Records, Office of Chicago**

**Assistant professor,** Recruitment, retention, and acquisition, or foreign language education required. Application deadline: Feb. 15.

**Biological Science and Human Health**

**Assistant professor, sensory science,** PhD in sensory science, food science, food chemistry, nutrition, or an area of non-food sciences or sensory psychology required. Application deadline: Feb. 15.

**Chemical Library and Information Science, Graduate School of Library and Information Science, Graduate School**

**Assistant professor, computer science,** computer engineering or a related scientific field required. Application deadline: Feb. 15.

**Civil Engineering**

**Assistant professor,** PhD in structural engineering or related field required. Application deadline: Feb. 15.

**Computer Science**

**Assistant professor, computer science,** computer engineering or a related scientific field required. Application deadline: Feb. 15.

**Curriculum and Instruction**

**Assistant professor,** PhD in educational psychology or related field required. Application deadline: Feb. 15.

**Educational Psychology**

**Assistant professor,** PhD in education or related field required. Application deadline: Feb. 15.

**Environmental Science and Technology, National Center for Supercomputing Applications**

**Research programmer,** PhD or equivalent required. Experience required in scientific field or related field. Application deadline: Feb. 15.

**Entrepreneurship**

**Assistant professor,** PhD in business administration or related field required. Application deadline: Feb. 15.

**Human Resource Education**

**Assistant professor, operations management,** PhD or equivalent required. Application deadline: Feb. 15.

**Indian Materials and Minerals**

**Research specialist,** PhD in materials science or a related field required. Application deadline: Feb. 15.

**Library and Information Science, Graduate School of**

**Assistant professor, library and information science,** PhD or equivalent required. Application deadline: Feb. 15.

**Library Services**

**Assistant director of housing for university facility or capital project management**, PhD or equivalent required. Application deadline: Feb. 15.

**Psychology**

**Assistant professor,** PhD in psychology or a related field required. Application deadline: Feb. 15.

**Public Affairs, University Office of (Chicago)**

**Director of communications,** PhD or equivalent required. Experience in networked environment or related field required. Application deadline: Feb. 15.

**Supercomputing Applications, National Center for Supercomputing Applications**

**Software developer,** PhD or equivalent required. Experience required in scientific field or related field. Application deadline: Feb. 15.
Art and Design offers classes Saturday classes begin Jan. 29

The UI School of Art and Design is sponsoring art classes for children and adults.

Students in preschool (minimum age 4 1/2) through 12th grade may participate in the 11-session Saturday art class that begins Jan. 29 and ends with an open house April 30. The registration fee is $65 per student; course offerings vary. The Studio Spectrum for college-age adults and older is offering two noncredit courses: "Ceramics" will be offered on Tuesdays beginning Jan. 25; "Introductory to Watercolor" will be offered on Thursdays beginning Jan. 27. All classes meet from 6:30 to 9 p.m. The registration fee is $90.

Classes for both programs will be at the School of Art and Design. No classes will be held over spring break. Registration will be accepted through Jan. 26. You may register in person from 8 a.m. to 4 p.m. with Carole Smith in 142 Art and Design Building.

For further information, registration forms, or required and recommended material lists for the Studio Spectrum classes, contact Smith at 333-1652 or csmith2@uiuc.edu.

Campus GradeBook

Workshops offered Feb. 3, 4 and 16

Free workshops are being offered for Campus GradeBook, a networked, secure computer program that allows faculty members to maintain their course grades. It also gives faculty members the option of allowing students access to their final grades as well as intermediate scores on homework, labs, exams, etc.

Workshops are being offered for faculty members, teaching assistants and staff members who want to use the computerized GradeBook. The first workshop will be from 3 to 4:30 p.m. Feb. 3 in 146 EventLab. The workshop will be repeated Feb. 4 from noon to 1:30 p.m. in the Undergraduate Library upper level computer classroom, and again from noon to 1:30 p.m. Feb. 16 in 70 Commerce West.

To register for the free workshop, e-mail a j-krelli@uiuc.edu with your name, department and network ID or phone Toni Wendler at 333-3490. Your network ID is needed to set up a practice gradebook for participants.

Campus Recreation

Free weekend, 'Big Chill' and more

UI employees are invited to attend "Campus Rec Day: The Big Chill" from 3 to 7 p.m. Jan. 25 at IMPE as well as enjoy free access to all campus recreation facilities that entire week.

"The Big Chill" will feature refreshments, live music by a jazz quintet, free group-exercise classes including circuit step and cardioboxing, as well as information booths about campus rec offerings such as aquatics, SportWell Center, the Ice Arena and others. Several sport clubs also will host demonstrations including Illini Tae Kwon Do and Illini Dance team.

As part of the event, Campus Rec is soliciting photos of wintertime fun for its "Freeze Frame." Web photo contest. Winners will be announced at "The Big Chill" and the winners, who must be UI students or campus rec members, must be present to win.

In addition to this event, Campus Rec is offering one free week of facility use—Jan. 24 through Jan. 30—to all UI employees presenting valid i-Cards. Guests also are welcome but must be accompanied by a UI employee. For more information about any of these events, call 333-3006 or visit www.campuscrc.uiuc.edu.

University Primary School enrollment

Apply now for 2000-01

University Primary School will be accepting enrollment applications through March 10 for the 2000-2001 academic year. An informational meeting about the program will be from 7 to 8 p.m. Jan. 27 in Room 26 of the

Piano man

A School of Music faculty artist and Center for Advancement of the Performing Arts faculty member, John Hobson never shies away from challenging presentations. Three performances remain as Hobson plays all of the greatest piano music of Robert Schumann. "Rob- ert Schumann: The Great Works of the Piano Years (1830-39)," scheduled for five consecutive nights, continues at 8 p.m. Jan. 20, 21 and 22 in Foellinger Great Hall, Krannert Center for the Performing Arts. Tickets are available from the Krannert Center ticket office.

Children’s Research Center, 51 Gerty Drive, Champaign.

Child care will be provided. University Primary School is an early-childhood gifted education program that serves preschool, kindergarten and first-grade children in a project-based curriculum. Chil- dren must be 3 years old on or before July 1 for the preschool classroom and 5 before Sept. 1 to be considered for the kindergarten classroom.

For more information, contact Nancy B. Hertzog, directo- tor, at 333-4892 or pick up an information packet after at either of the school sites: Colonel Wolfe School, 403 E. Healey, Champaign, or the Children’s Research Center.

Environmental Horizons 2000

Poster design deadline is Feb. 4

The Environmental Council is planning a universitywide conference, "Environmental Horizons 2000," on March 27-28 at the Illini Union. The council has issued a call for posters and is encouraging UI faculty members, and gradu- ate and undergraduate students to submit posters about research related to the environment.

The poster abstract form is available on the Environ- mental Council’s Web site at www.environ.uiuc.edu. Ab- stract submission deadline is Feb. 4.

Office Professional of the Year

Award nominations sought

The Secretariat is seeking nominations for its eighth annual Office Professional of the Year award. Secretariat members, except those in elected offices and Office Pro- fessional of the Year committee members, may be nomi- nated by their boss or supervisor by submitting a nomina- tion form using the following guidelines. Nominees should exhibit outstanding professionalism, routinely show con- sideration and support of other staff members, colleagues, students and visitors to their office and campus, and be an enthusiastic supporter of the UI and its programs.

To be eligible for nomination, each nominee must have attended two Secretariat lunches between July 1, 1999, and April 1, 2000. Forms will be sent to supervisors of eligible Secretariat members. Completed nomination forms should be sent to Ramona Simpson, 2015 Materials Re- search Lab, MC-230, and must be received by 3 p.m. March 17. The winner will be announced at the April 19 Secretariat luncheon.

Staff Advisory Council

Rep sought to fill vacancy

The Staff Advisory Council has a vacancy for a repre- sentative from the Service/Maintenance Group (EEO 7). An individual from this group will be appointed by the executive council to serve the remaining two years of a four-year term. To be considered for this appointment, you must be a full-time employee and a member of the SAC may contact council members Carol Franzen, 333-6443; Brycey Brown, 333- 0697; Barbara Harned, 244-8490; Barbara Franklin, 244- 3710; Terri Palumbo, 244-897; Alice Dilts, 333-4661; or Mark Abrams, 333-6188.

Division of English as an International Language

Class offered for visiting scholars

The Division of English as an International Language is offering a noncredit course on American language and culture for visiting scholars. The course is designed to give scholars an opportunity to use English effectively in class- room and informal settings and to offer help in interpreting aspects of American culture.

Class activities emphasize discussion of topics deter- mined in part by the participants, but usually include holidays and customs, political and social organization, historical events and figures, current affairs, sports and entertainment, underlining values and ways to improve English. Class trips, guest speakers and outside lectures are arranged. In addition, scholars may give short talks on their fields of research.

Although the course began Jan. 19, scholars may join any time during the year. The course meets Mondays and Wednesdays from 2 to 3:30 p.m. in 313 Davenport Hall.

For more information, contact the Division of English as an International Language, 333-1506, or Mary Temperley, 344-1451.

ACDIS contest

Will mankind survive the millennium?

A contest sponsored by the UI’s Program in Arms Control, Disarmament and International Security (ACDIS) is requesting entrants to pose questions of their own that relate to the general question of whether or not mankind will be around to usher in the next millennium. The contest is open to all UI students, faculty and staff members, as well local community members.

ACDIS director Clifford E. Singer said the contest is being organized “to stimulate thought and academic dis- cussion on the most significant challenges confronting our world as we enter a new century and the third millennium.”

According to entry requirements, “Submissions should pose a single question expected to provide a major intellec- tual and practical challenge through a significant part of the world as we enter the 21st century but the answer is not yet known.”

Entries must be typed, and must include the contestant’s name, status (faculty member, student, community mem- ber, etc.), as well as contact information.

Successful entrants will be asked to present their ideas at one of ACDIS’ upcoming Millennium series seminars and prepare a draft suitable for publication in the ACDIS bulletin “Swords and Ploughshares.” An award of $100 will be presented.
Activities in observance of MLK day continue through Jan. 23

By Melissa Mitchell
News Bureau Staff Writer

Making a Commitment for the New Millennium,” an interactive exhibit that invites members of the community to take a stand for civil rights and justice by signing posters located in undergraduate residence halls, area churches and offices.

Spring Millercomm/CAS lectures announced

By Melissa Mitchell
News Bureau Staff Writer

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Women in Science and Engineering

WISE Symposium is Jan. 29

The Second Annual WISE (Women in Science and Engineering) “Strategies for Success” Symposium will be Jan. 29 at Grainger Engineering Library. Nationally recognized math and science consultant Sheila Tobias will be the keynote speaker.

Tobias has written extensively in the areas of math and science (with a special emphasis on young women) and women’s studies. Among her books are “Overcoming Math Anxiety,” “Succeed with Math,” and “Revitalizing Undergraduate Science: Why Some Things Work and Most Don’t.” More information about Tobias is available at her Web site at www.sheila tobias.net.

The WISE Symposium will offer information throughout the day critical to engineering students for entering and succeeding in science and engineering disciplines. Workshop titles include: “Leadership Styles,” “Negotiating Your First Position in Industry,” “Writing Fundable Grant Proposals,” and “Mentoring.” The WISE Symposium will also provide a forum for discussion of issues relevant to women studying and practicing in technical disciplines.

The symposium is sponsored by Cargill Inc. and Abbott Laboratories. The public is welcome to attend. To register, go to www.cas.uiuc.edu or contact the women in Engineering Program at 244-3517. Registration is $10 for students and $65 for others. Those wanting to attend the Saturday lunch and hear only the keynote speaker may register for $15. Registration deadline is Jan. 24.
Congratulations! We’ve raised more than $950,000!

The Campus Charitable Fund Drive advisory board took a chance this year and raised the campus goal from $760,000 to $800,000. Exceeding that goal by more than $150,000 means more people will receive important assistance. Homeless families now will be sheltered, children will feel safer and become healthier, and people all over the world will be fed and comforted because of our donations. Our campus tradition of sharing with those in our community who need assistance has once again enriched our lives and shown that we are a part of a caring community.

I want to thank those who contributed to the fund drive for their generosity and also to acknowledge all of the contributions campus members make throughout the year to organizations they care about.

Michael Aiken
Chancellor

IGUANAS, CONTINUED FROM PAGE 1

than 300 millimeters (11.7 inches) from snout to anus – shrank the most and sur-
vived the longest.

In shrinking, they also get slimmer, and their mouths get smaller, making them more efficient at harvesting the tiny amounts of available algae,” Wickelski said. “They shrink to reach a body size where survival is high. If they shrink a centimeter or so, they already increased their survival rate by 10 percent. If they shrink more, they can increase survivability by 35 percent.”

Wickelski and co-author Corinna Thom, a biologist at the University of Wurzburg in Germany, theorize that bone absorption assists in making them more efficient at harvesting the tiny amounts of available algae. As their bodies shrink, they already increased their survival rate by 10 percent. If they shrink more, they can increase survivability by 35 percent. Wickelski said, “It is a certain hormone or combination of hormones, or is it some other physiologic mechanism that tells bone to regrow and recalcify?”

Wickelski’s research on this subject has been cited recently in Nature, The New York Times, Science News (print and Web) and The Observer (London) and on Discovery Online, ABC News.com and the Environmental News Network’s Web site.

VET MED, CONTINUED FROM PAGE 1

they felt they weren’t adequately informed of what their options were or how to access them in a timely manner, Kaler said.

The decision to halt the lethal experi-
ments was made after some Vet Med stu-
dents protested the killing of the animals. Kaler said it’s good that the students took a stand and asked the UI to look at the prac-
tice.

“The university is a place where you should be thinking of new and better ways to do something, so [their protests] defi-

ently played a crucial role in getting us to address this issue,” she said.

In a related matter, College Dean Ted

Valli issued a memo to faculty members Jan. 14 that said the UI only will use dogs through animal dealers that are certi-
fied Class A by the U.S. Department of Agriculture.

Prior to the UI purchased animals through Class B dealers, who sell dogs at lower prices. Animal welfare groups have charged that some Class B dealers steal pets or obtain dogs through other improper meth-
ods. Kaler said that by only using dogs purchased through Class A dealers it en-

sures that companion animals will not be used for lethal experiments.

Charles Alcorn Jr., 63, died Jan. 9 at Carle Foundation Hospital, Urbana. He retired from the UI as an electrician in 1988.

Murray Babcock, 75, died Dec. 28 at his Champaign home. Babcock had been an associate professor of electrical engineer-
ing at the UI since 1968 and was the author of publications on speech research and cy-

bernetics. Memorials: Carle Hospice.

Joann Black, 71, died Jan. 11 at her Ur-

bana home. Black was a retired food ser-
vice worker for the UI, where she worked for 30 years. Memorials: Covenant Hos-

pice.

Allen C. Blair, 89, died Dec. 16 at Hinsdale Hospital. He retired from the horticulture department at the UI after many years of service. Memorials: Chaddock Children’s Foundation in Quincy or Fisher United Methodist Church.

Bernice McKinley Chambers, 92, died Jan. 2 at ManorCare Nursing Home, Champaign. Chambers retired as a cook after 25 years at the UI.

Herbert Gutzowsky, 80, died Jan. 13 at Carle Foundation Hospital, Urbana. A pio-
near nuclear magnetic resonance spec-
troscopy, Gutzowsky was head of the UI chemistry (1967-83) and of the chemical engineering (1967-70) departments, and was director of the School of Chemical Sciences from 1970-83. He was elected to the National Academy of Sciences, the American Academy of Arts and Sciences and the American Physical Society.

Statistics

Student Affairs

University Administration

Veterinary Medicine

Goal: $800,000  Amount raised: $953,601* (119% of goal)
Entries for the calendar should be sent 15 days before the desired publication date to Inside Illinois Calendar, News Bureau, 807 S. Wright St., Suite 520 East, Champaign, MC 61820, or by sending an e-mail to studio@uiuc.edu. More information is available online at calendar.uiuc.edu. Updated weekly through 333-1085. The online UIUC Events Calendar is at www.uiuc.edu/uicalendar/cal.html.

Jan 20 to Feb 6
Beata Vergine,” an early 17th-century Magnificat of Monteverdi’s “Vespro della Beata Vergine” presents Claudio Monteverdi’s “Vespro della Beata Vergine.” The concert also features the exuberant drumming tradition of his country, the 35-piece family orchestra in Foellinger Great Hall, Doudou N’Diyaye. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world.

Calendrier, continue de Page 11

Friday

Drumming of West Africa. Doudou N’Diaye Rose, 8 p.m. Foellinger Great Hall, Krannert Center. This Senegal drummer leads his 33-piece family orchestra in the exuberant drumming traditions of his country, spreading the message of rhythm and sound. Admission charge.

Studio Recital. 8 p.m. Recital Hall, Smith Hall. Violin students of Sherman Lapp.

Saturday

Master of Music Recital. Amanda Pond, flute. 6 p.m. Memorial Union Recital Hall. UI Chorale, Fred Stolfofcua, conductor. 8 p.m. Foellinger Great Hall, Krannert Center. With Concerto Urbano. The Chorale presents Monteverdi’s “Vespro della Beata Vergine” an early 17th-century Magnificat of Monteverdi’s “Vespro della Beata Vergine.” The concert also features the exuberant drumming tradition of his country, the 35-piece family orchestra in Foellinger Great Hall, Doudou N’Diyaye. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world. The concert also includes works by contemporary and traditional faculty choreographers who have received awards for their work from dance institutions around the world.