Fiscal forecasts
Two UI economists give their annual review of the state’s economy as well as their predictions for the coming year.

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Testing 1...2...3
This superconducting magnet arrived at the UI’s Nuclear Physics Laboratory where researchers will meticulously inspect and test it.

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Come on in
The ACES and Engineering open houses will be March 2 and 3 with literally something for everyone.

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In This Issue

Former UI president to speak at commencement

Stanley O. Ikenberry, the 14th president of the UI, will be the featured speaker at Commencement ceremonies May 13 at the Assembly Hall. He will speak at both the 10:30 a.m. and 2 p.m. ceremonies.

A national leader in higher education, Ikenberry plans to return to the UI faculty in June after five years as president of the American Council on Education, the nation’s principal higher education association. A professor of education and in the Institute of Government and Public Affairs, he plans to teach, write and consult.

Ikenberry assumed the UI presidency on Sept. 1, 1979. Accomplishments under his leadership include consolidation of the Chicago Circle and Medical Center campuses into the UI at Chicago; the addition of a Springfield campus; establishment of state-of-the-art facilities such as the Beckman Institute for Advanced Science and Technology, and the National Center for Supercomputing Applications; the creation of a more diverse student, faculty and staff population; and greatly expanded financial support. Ikenberry’s tenure ended Aug. 1, 1995.

Michael Aiken, the chancellor of the UI, see IKENBERRY, PAGE 2

Reflective moment
When this photo appeared in Inside Illinois in 1995, it was labeled “parting shot,” as it was taken just days before Stanley O. Ikenberry left his post as UI president, a career begun in 1979.

Ikenberry will return to the UI May 13 when he is the featured speaker at Commencement ceremonies. He plans to return to the UI faculty in June as a professor of education in the Institute of Government and Public Affairs.

ALICE, new virtual reality chamber, is one-of-a-kind

A L I C E
(Adaptive Laboratory for Immersive Cognitive Experiments)

By Jim Barlow
News Bureau Staff Writer

Crates containing ALICE – the world’s first six-sided, solid-walled virtual reality chamber – arrived Feb. 23 to the Beckman Institute for Advanced Science and Technology. Eastbound lanes of University Avenue were closed while a crane moved the chamber’s solid acrylic ceiling, floor and wall panels into a basement entry to the Beckman.

The chamber, known as a TAN CUBE, will be operational by April 15; researchers will begin using it for their experiments in September.

ALICE is an acronym for the Adaptive Laboratory for Immersive Cognitive Experiments. It will be part of the Beckman’s Integrated Systems Laboratory. Researchers will be able to monitor, without wires, the eye movements, gestures and speech of subjects inside the 10x10x10-foot chamber as they perform tasks in a simulated environment.

ISL Director Hank Kaczmarski describes a TAN CUBE as a next-generation CAVE™, referring to the CAVE™ Virtual Reality Theater operated by the National Center for Supercomputing Applications (NCSA) at the Beckman. ALICE will be driven by a supercomputer on loan from NCSA and a Myrinet-connected PC cluster.

TAN Projectionstechnologie of Dusseldorf, Germany, built the chamber, which traveled by freighter from Dusseldorf, Germany, built the chamber, which traveled by freighter from Germany to Nova Scotia, where it was placed on a train.

Primary funding for the chamber is a grant from the National Science Foundation to researchers Rachael Brady, Thomas Huang and Arthur Kramer. Campus units contributing matching funds are the Beckman Institute, the Institute of Aviation and the departments of kinesiology, psychology, computer science and electrical and computer engineering.
said he is pleased that Ikenberry accepted the invitation to speak to the graduates.

“Ikenberry has played a vital role in higher education – both at Illinois and as the leader of the American Council on Education,” Aiken said. “He understands the possibilities and opportunities that lie ahead of us. We feel that he will inspire this year’s graduates to achieve the great things for which we have prepared them. During his tenure at ACE, Ikenberry helped lead the development and passage of the Clinton administration’s Hope Scholarship and Lifetime Learning tax credits. He also led the effort to develop a strong policy position in preparation for the reauthorization of the Higher Education Act in 1998. Student aid and research funding also increased sharply during Ikenberry’s tenure at ACE, spearheaded by efforts such as The Student Aid Alliance. ACE also led efforts on several legal issues in the federal courts, and worked to receive institutions from burdensome regulations.

Ikenberry is the immediate past chairman of the board of trustees of the Carnegie Foundation for the Advancement of Teaching. Earlier, he led the boards of the National Association of State Universities and Land-Grant Colleges, the Association of American Universities and ACE.

Before coming to Illinois, he was senior vice president of Pennsylvania State University and the provost in the Penn State Center for the Study of Higher Education.

Ikenberry received a bachelor’s degree from Shepherd College in Shepherdstown, W. Va., in 1956. He earned a master’s degree and a doctorate from Michigan State University in 1956 and 1960, respectively. He holds six honorary degrees.
On the job

Cathy Pacey

What is your job with the UI, and how long have you worked for the university?
I’m a secretary in the veterinary/biosciences department. I’ve been in this department for five years, but I’ve been with the university for 16 years. I take care of graduate students, keep their records and charts, and enter grades in Gradebook.

Have you been an animal lover all your life?
Yes. One of the professors started calling me ‘Ellie Mae,’ like the character on the TV show ‘The Beverly Hillbillies.’ I said, ‘Oh, she’s my idol!’ And he was surprised it didn’t make me mad. I wanted to be like Ellie Mae when I was a kid and have all those critters. I have a lot of critters, just not the same type she had, and I don’t have a ‘cee-ment pond.’

That’s also how I got the nickname the ‘Critter Lady.’ A co-worker there just started calling me that because I sometimes had boxes of little animals under my desk. And the name just stuck. So I use it to sign my e-mails.

How did you get started rehabilitating wild animals?
The Wildlife Ward at the UI takes in orphaned and injured wild animals. Then rehabbers like me take the animals when they’re medically sound and raise them until they’re old enough to take care of themselves in the wild. At first, the Wildlife Ward asked me to help them on my lunch hours. Then they helped me get my license to rehabilitate wild animals. I can’t keep any of them; I have to release them in state-approved places.

What did you have to do to get licensed?
I got training through the Wildlife Ward. I learned how to mix up formula for them, how much each one needs depending on its body weight and when to start putting them on solid food. Every year, I have to submit a form to the State Conservation Department telling what animals I had and where and when I got them. I also have to state what happened to the animals: whether I released them or where they died or were euthanized. Based upon that form, they decide whether or not to issue the next year’s license. It’s against the law to keep wild animals without a license, and people don’t realize it.

Where do all the animals come from?
The Conservation Department gives my name out to people who find animals, as does the sheriff’s department, the Humane Society and local veterinarians. I also get animals from the UI Wildlife Ward.

What types of animals and how many do you take care of?
I think the most I’ve had is 453 in one year. That was a little too many. I’ve had rabbits, squirrels, raccoons, a few birds. I used to take oppossums, but I don’t anymore because they carry a disease that’s dangerous to my daughter’s horses. I got three little chickens one time that someone had left in a cage under a bench at the bus station. I’ve gotten pea-hens (female peacocks), and I got four ducks that someone had bought as pets for their kids. I also get calves and lambs from the university that need to be taken care of.

How many animals of your own do you have?
Two horses, three dogs, three cats, a cow, probably a dozen or more chickens and ducks, a pea-hen and the Nanday Conure (a member of the parrot family). We get pigs in April to raise to butcher and that’s what we’ll do with the cow. Some people think that’s a little contradictory that I raise livestock to eat when I’m helping save the wild animals.

How do you find the time to take care of all these animals?
It keeps me busy, and my daughter and sons help out. I used to keep all the animals in the house. We’ve even kept the lambs and baby pigs in the back room of the house. The raccoons are the hardest to raise because they have to be taught how to fish so they can catch their own food. We get a little wading pool and some goldfish, and by playing in the water with them they eventually learn how to fish.

What do you get for the food for all these animals?
I try to get feed companies to donate because I don’t get paid for any of it. It’s all out of my pocket. The payroll is to see the animals living. Some of the big feed companies will help out and donate feed.

What do you enjoy most about taking care of all these animals?
I know some of the babies aren’t going to live because they’re too tiny, but I try. I like nursing them to health. It’s worth it when I can finally take them to be released into one of the approved places.

We had 26 baby raccoons one year. They’d follow us around like children and squeal when someone came in the door. It was total bedlam, especially at feeding time when we’d be propping nipples up feeding everywhere to feed 26 squalling babies. That’s when I realized that 453 animals that year was too many.

~ Interview by Sharita Forrest

‘Green industry’ outstripping traditional crops in total sales

By Jim Barlow
News Bureau Staff Writer

With about $2.9 billion in sales, the “green industry” in Illinois has blossomed, surprisingly outdoing traditional agricultural front-runners corn and soybeans and even the combined production of beef and pork. UI researchers say a comprehensive assessment discovered that in 1999 more than 9,000 green-industry businesses—lawn-care, landscaping, garden centers and related businesses—were active in Illinois, with more than 2.3 million end-users of their products and services. The findings resulted from a survey of businesses, agencies, institutions and other who produce, maintain, use, or sell plant materials to enhance human environments.

“Preliminary estimates show that, in 1999, the product and service sectors of Illinois’ green industry generated nearly $2.9 billion in sales,” said Gary Rolfe, professor and head of the UI department of natural resources and environmental sciences. “These sales figures place the green industry ahead of the more traditional agricultural commodities in economic importance to the state’s economy.”

The green industry product and service sectors employed almost 74,000 workers with an annual payroll exceeding $1 billion. Overall, the green industry employed almost 160,000 people with a payroll above $1.74 billion. Rolfe said, “In comparison, total cash receipts from corn were $2.56 billion, soybeans at $2.1 billion, hogs and pigs at $646 million and cattle at $490 million.”

“I don’t think anyone had a clue that the green industry was as large as it turned out to be,” Rolfe said. “It’s a very important piece of information that could help influence legislative initiatives and bring more research dollars to this important sector.”

The fair market value of all assets directly associated with producing, selling, or maintaining green areas and plants in Illinois was put at more than $8 billion. The green industry’s product sector generated more than $1.6 billion in total receipts. More than 57 percent of these sales were from growers selling at wholesale, retail, or both; 42 percent of these product sales came from retailers.

The industry’s service sector generated more than $1.6 billion in total receipts, with more than 88 percent attributed to landscape contractors and lawn-care firms. The survey estimated that the maintained turfgrass area in Illinois totaled about 1.5 million acres. Single-family homes accounted for more than 60 percent of the total. Illinois consumers also spent $2.89 billion to purchase and maintain indoor and outdoor plant materials including turfgrass.

More than 12,000 questionnaires were distributed; 31 percent were returned. The study was funded, in part, by a coalition of green-industry professional associations. ♦
New taxes not on Illinois horizon, despite ‘tighter fiscal position’

By Mark Reutter
News Bureau Staff Writer

Despite signs of a national slowdown, the state of Illinois will have enough tax revenues this year to support its current budget without major tax increases or spending cuts.

Restraint but not panic was the predic-
tion of UI economists J. Fred Giertz and Therese J. McGuire for 2001. Illinois will be in a “tighter fiscal position than in the past year,” the experts wrote in their annual review of state finances, “however, there will be no significant tax increases in re-
sponse to this tightness.”

The state is coming off of a historic high in tax revenues, which should cushion any blows during the second half of fiscal 2001. The general fund balance last June was more than $1.5 bil-
ion, up $166 million from 1999. “The strong revenue perfor-
mance provided the resources for the con-
tinued growth in state spending along with limited tax cuts in 2000,” the economists noted.

State finances started showing the impacts of a drop in business and consumer spending in the fall. “For the first time in eight years, actual state revenues are not exceeding revenue fore-
casts,” they wrote. “However, there is no evidence as yet of a recession. Consequently, revenue growth still appears to be adequate to support state activities, but there is un-
likely to be the end-of-year windfall that the state has come to expect in recent years.”

While sales-tax receipts have slowed, corporate-tax revenues are near forecast. Giertz and McGuire predicted that the gen-
eral fund balance will be $1.2 billion when the fiscal year ends June 30, including the “rainy day fund” set up by the Legislature last year.

Several revenue streams not included in the general fund balance will favorably affect the state, including the national to-

Fiscal forecasts

UI economists J. Fred Giertz, pictured, and Therese J. McGuire predicted there will be no significant tax increases for 2001 for the state of Illinois. This and other fiscal forecasts are in their annual review of state finances. The UI economists prepared the paper at the university’s Institute of Government and Public Affairs.

For the first time in eight years, actual state revenues are not exceeding revenue forecasts, they wrote. “However, there is no evidence as yet of a recession.” Consequently, revenue growth still appears to be adequate to support state activities, but there is unlikely to be the end-of-year windfall that the state has come to expect in recent years.

Complete coverage of this and other fiscal forecasts is in the annual review of state finances. The UI economists prepared the paper at the University of Illinois Institute of Government and Public Affairs. A full text of the paper is available on the Inside Illinois Web site, www.igpa.uillinois.edu/publications/pdf/ProspectsPredictions.pdf.
Mimicking biological systems, composite material heals itself

By James E. Kloeppel
News Bureau Staff Writer

Inspired by biological systems in which damage triggers an autonomic healing response, researchers at the UI have developed a synthetic material that can heal itself when cracked or broken.

The material – consisting of a microencapsulated healing agent and a special catalyst embedded in a structural ceramic matrix – could increase the reliability and service life of thermosetting polymers used in a wide variety of applications ranging from microelectronics to aerospace.

“Once cracks have formed within typical polymeric materials, the integrity of the structure is significantly compromised,” said Scott White, a UI professor of aeronautical and astronautical engineering and lead author of a paper published in the Feb. 15 issue of the journal Nature that described the new self-healing material. “Often these cracks occur deep within the structure where detection is difficult and repair is virtually impossible.”

In the new material, however, the repair process begins as soon as a crack forms.

“When the material cracks, the microcapsules rupture and release the healing agent into the damaged region through capillary action,” White said. “As the healing agent contacts the embedded catalyst, polymerization is initiated which then bonds the crack face closed.”

In recent fracture tests, the self-healed composite structures retained as much as 75 percent of their original strength. And because microcracks are the precursors to structural failure, the ability to heal them will enable structures that last longer and require less maintenance.

Filling the microcracks will also mitigate the harmful effects of environmentally assisted degradation such as moisture swelling and corrosion cracking,” White said. “This technology could increase the lifetime of structural components, perhaps by as much as two or three times.”

The ability to self-repair and restore structural integrity also could extend the lifetimes of polymer composite circuit boards, where microcracks can lead to both mechanical and electrical failure.

One of the many challenges the researchers faced in developing the material was obtaining the proper size of microcapsules. They currently use spheres about 100 microns in diameter. Larger spheres could have weakened the matrix, White said, and work continues on creating ever-smaller capsules.

“We also had to determine the correct shell thickness so the capsules would open under the appropriate stress.” White said. “Capsule walls that are too thick will not rupture when the crack approaches, while capsules with walls that are too thin will break during processing.”

In addition to White, the research team included theoretical and applied mechanics professor Nancy Sottos, aeronautical and astronautical engineering professor Philippe Geubelle, chemistry professor Jeffrey Moore, and graduate students Eric Brown, Michael Kessler, Suresh Sriman, and Sabarivasan Viswanathan. The work was sponsored by a UI Critical Research Initiatives grant.

Hess and Huang elected to National Academy of Engineering

By James E. Kloeppel
News Bureau Staff Writer

Two UI researchers – Karl Hess and Thomas S. Huang – have been elected to membership in the National Academy of Engineering.

Hess and Huang were among 74 engineers selected for membership in the NAE, which was established in 1964 under a charter from the National Academy of Sciences as a parallel organization of outstanding engineers. Election to the NAE is among the highest professional distinctions in engineering. The current NAE membership includes 2,061 U.S. engineers and 154 foreign associates.

Hess, a Swanlund Professor of electrical and computer engineering and a researcher at the university’s Beckman Institute for Advanced Science and Technology, was cited for his contributions to hot electron transport and the numerical simulation of semiconductor devices. Hess is an internationally recognized researcher in the areas of solid-state electronics, the physics and chemistry of molecular and electronic nanostructures, and theory and simulation of optoelectronics. He also is one of the founders of the new area of computational electronics. Hess joined the UI faculty in 1978.

Huang, the William L. Everitt Distinguished Professor of electrical and computer engineering and a researcher at the university’s Coordinated Science Laboratory and at the Beckman Institute, was cited for his contributions to the theory and practice of image compression, retrieval and analysis.

Huang is an expert in image processing, computer vision and visual communication. His work involves enhancing visual images and extracting three-dimensional motion information from image sequences. The Institute of Electrical and Electronic Engineers recently awarded Huang the 2001 Jack S. Kilby Signal Processing Medal. Huang joined the UI faculty in 1980.

When it’s really big news

News releases about research or teaching at the UI frequently draw national media attention, but the past few weeks have been a bit unusual. Two UI releases have attracted the interest of the news media worldwide, as well as some venues off the normally beaten path (“The Tonight Show,” “Saturday Night Live” and “The Late Late Show With Craig Kilborn”).

History professor Julius E.K. Walker’s course titled “Oprah Winfrey, The Tycoon” is believed to be the first of its kind in higher education in the United States and has been the subject of stories in numerous publications, including the Chicago Sun-Times, Chicago Tribune, the London Daily Express, the Los Angeles Times, the Ottawa Daily Sun, People magazine, the Statesman (India), U.S. News & World Report, the Vancouver Sun and the Washington Post. Walker has been interviewed by The Associated Press, the BBC, CBS News, Fox television, the Times (of London), United Press International and radio stations in Arizona, Georgia, Illinois and Iowa.

Recent UI research on self-healing plastics has been the subject of articles distributed by Agence France-Presse, The Associated Press, Knight Ridder Tribune News Service and United Press International. The work has been cited on many broadcasts, including ABC News, the Discovery Channel, National Public Radio and Voice of America, as well as on the TV shows named earlier. Articles highlighting the work have appeared in dozens of publications, including Chemical & Engineering News, Chemistry & Industry, the Chicago Sun-Times, the Commercial Appeal (Memphis, Tenn.), the Daily Telegraph (London), Dallas Morning News, Design News, the Financial Times (London), the Florida Times-Union, the Independent (London), the International Herald Tribune, New Scientist, The New York Times, the Ottawa Citizen, Popular Science, Science News, USA Today and the Washington Post.

UI researchers involved in the work are aeronautical and astronautical engineering professor Scott White, theoretical and applied mechanics professor Nancy Sottos, aeronautical and astronautical engineering professor Philippe Geubelle, chemistry professor Jeffrey Moore, and graduate students Eric Brown, Michael Kessler, Suresh Sriman and Sabarivasan Viswanathan.
Inside Illinois

New superconducting magnet to probe proton structure

By James E. Kloppe
News Bureau Staff Writer

To help unlock the innermost secrets of the proton, a doughnut-shaped superconducting magnet 14 feet in diameter is now being tested at the UI.

Funded by the National Science Foundation, the $2.75 million magnet was designed for an upcoming experiment at the Thomas Jefferson National Accelerator Facility in Newport News, Va. The experiment, called G0 (pronounced “ Gee Zero”), involves about 100 scientists from many institutions. Steve Williamson, a UI physicist, is the experiment coordinator.

Over the next few months, researchers will meticulously inspect the magnet, cool it to liquid-helium temperatures and turn it on for the first time. As the power is gradually increased, a robotic test rig will precisely monitor the growing magnetic-field strength in three-dimensional space, and alert the researchers to potential problems.

Late this year, with testing complete, the magnet will be scheduled to be shipped to the Jefferson facility. There it will serve as the centerpiece of the G0 experiment—a major effort to closely examine the role that the strange quark plays in governing proton structure and nuclear magnetism.

“We know that the proton’s structure—in particular, its magnetic moment—comes from the up, down and strange quarks inside the proton,” said UI physicist Doug Beck, spokesman for the experiment. “But exactly how it is put together is what we are trying to find out.”

In the experiment, an intense beam of polarized electrons will scatter off liquid hydrogen and deuterium targets located in the magnet’s core. Detectors, mounted around the perimeter of the magnet, will record the number and position of the scattered particles.

The new magnet will provide a much broader view of the small-scale structure of the proton, compared to earlier "snapshots" obtained with other experiments, such as the SAMPLE apparatus at the MIT/Bates Linear Accelerator Center, Beck said.

In SAMPLE experiments conducted during the summer of 1999, and reported in the Dec. 15, 2000, issue of the journal Science, researchers used the weak magnetic force to deduce the presence of a surprisingly large parity-violating electromagnetic effect known as the proton’s anapole moment. The proton’s anapole moment had long been predicted, but never measured.

“The new magnet should allow measurement of the anapole moment and other aspects of the proton structure with much greater precision over a wide range of momentum transfers,” Beck said. “For example, instead of seeing the proton’s over-all magnetic moment, we will be able to vary the size of our probe to study small structures within the proton.”

The 80,000-pound magnet was constructed by BWX in Lynchburg, Va., and required three years to build. It was moved to the UI in mid-December.

A lot of pull

This 14-foot, doughnut-shaped superconducting magnet arrived at the UI’s Nuclear Physics Laboratory in mid-December. Working on its initial set-up, from the department of physics are, from top and clockwise, Andy Kenyon, assistant research physicist; John Blackburn, physical science technician assistant; and Eric Thorland, research engineer assistant.

Changes, which explored the future role of the archivist and issues concerning the increased use of electronic records for storing historically important information.

Karen Schmidt, university librarian for collections and professor of library administration, has been selected as the winner of the 2001 Leadership in Library Acquisitions Award by the Association for Library Collections and Technical Services.

The award recognizes her outstanding contributions to professional associations, the education of acquisitions professionals, and the advancement of the profession as well as her exceptional contribution to research literature in acquisitions and collection management.

In addition to the prestige and national recognition it brings, the award includes $1,500 donated by the Harrassowitz Co.

Lynn Wiley, coordinator of the Information Resource and Retrieval Center and professor of library administration, has been named the recipient of the Virginia Boucher-Online, Computer Library Center Distinguished Illinois Librarian Award for 2001. The award recognizes and honors a librarian for outstanding professional achievement, leadership, and contributions to interlibrary loan and document delivery through publication of significant professional literature, participation in professional associations, and/or innovative approaches to practice in individual libraries. It is accompanied by a cash award and a citation from the Management and Operation of User Services Section of the Reference and User Services Association, a division of the American Library Association.

Joyce Wright, undergraduate librarian and professor of library administration, has been selected to receive the Certificate of Achievement from the Library Administration and Management Association of the American Library Association. The award was established to honor an individual LAMA member for outstanding contributions to the association’s goals. Wright was cited for her leadership abilities in committee work.

veterinary medicine

Gary Althouse, professor of veterinary clinical medicine, gave invited lectures at last year’s annual meeting of the American Association of Swine Practitioners in Indianapolis and at the First Midwest Boar Stud Conference in West Lafayette, Ind. In July he presented at the 14th International Congress on Animal Reproduction in Stockholm, and he spoke at the 16th International Pig Veterinary Society meeting in Melbourne, in September.

Althouse serves on the Swine Export Group Committee of the National Pork Producers Council and is the liaison from the Society for Theriogenology to the AVMA Legislative Advisory Committee.

Peter Bahnsen, professor of veterinary clinical medicine and Continuing Education/Public Service-Extension, was an invited speaker on the topic of Salmonella diagnostics at the National Pork Producers Council Pork Quality and Safety Summit, in Des Moines, Iowa. At the International Symposium on Veterinary Epidemiology and Economics, he presented research on Salmonella cultures of pigs at a commercial slaughter plant.

Bahnsen served on the NPPC Pork Safety Committee and the NPPS Salmonella Working Group.

Roberto Docampo, professor of veterinary pathology, was selected as Burroughs Wellcome Fund Visiting Professor in the Microbiological Sciences for the 2000-2001 academic year. This program, administered by the American Society for Microbiology, is designed to stimulate interest in the microbiological sciences and to encourage careers in this field. He will spend up to five days at Lehman College, City University of New York, interacting with students, and faculty and staff members and will deliver a BWF lecture.

Docampo also gave an invited talk at an international meeting on anti-protozoal chemotherapy in Bruges, Belgium, in May.

Susan L. Schantz, professor of veterinary biosciences, in May chaired a session on Human Health Effects of Great Lakes Contaminants at the International Association for Great Lakes Research annual meeting in Cornell, Ontario. She also gave an invited address there on the effects of eating fish from Lake Michigan.

In June she gave an invited address at the annual meeting of the Behavioral Toxicology Society in Palm Beach, Fla. In September she was invited to speak on human PCB studies at the 18th International Neurotoxicology Conference in Colorado Springs.

Federico Zuckermann, professor of veterinary pathology, was invited to participate in a roundtable discussion on the immunity to PRRS virus at a pre-conference session of the Allen D. Leman Swine Conference in Minneapolis, in August.

He and Peter Bahnsen, professor of veterinary clinical medicine, were asked to participate in the Porcine Respiratory Disease Complex Summit, which was organized by the National Pork Producers Council and took place in Des Moines, Iowa, in July.
ACES Open House features "Science All Around Us” March 2-3

By Jim Barlow
News Bureau Staff Writer

“Kenaf: The Fiber of the Future?” Kenaf is one of the largest technological showcases of its kind in the nation, attracting more than 30,000 visitors each year. This year's theme is "Sci-".

Just hatched Jennifer Penning, left, and Stephanie Aguas, first-graders at Holy Cross School, Champaign, were among the thousands of visitors at last year's College of Agricultural, Consumer and Environmental Sciences Open House. The students were drawn to the chick incubator. Many other animals found on Illinois farms, including horses, cows and pigs, were part of the exhibits.

The article discusses events at the Open House, including exhibits, competitions, and special programs. It highlights the use of technology in agricultural and environmental sciences, and emphasizes the educational value of the Open House. The article concludes with a reflection on the impact of the Open House on students and the community.

Engineering Open House is technological showcase

By James E. Kloeppel
News Bureau Staff Writer

Wild and wacky Rube Goldberg machines, robots racing through a maze, the unearthing of a 26-year-old time capsule, and more than 150 fun-filled exhibits are among the attractions awaiting visitors to the 81st annual Engineering Open House.

The event, organized by students in the Engineering Council, will be from 9 a.m. to 4 p.m. March 2 and from 9 a.m. to 3 p.m. March 3. The Engineering Open House is one of the largest technological showcases of its kind in the nation, attracting more than 30,000 visitors each year. This year’s theme is “The Odyssey is Now” – plays upon one of the largest technological showcases of its kind in the nation, attracting more than 30,000 visitors each year. This year’s theme is “Science All Around Us.”

The Open House truly will have “Science All Around Us.” Visitors can learn about the insect world. The Insect Place allows for getting up close, including close enough to pet. Children can get their first look at Napo- lemon Soil and Jane Blonde, two “Secret Agent Worms” posed to debut in a series of full-color children’s books and activity packets. The first book featuring the zany agents is geared for third- through fifth-grade readers. Creator Doug Peterson, an Extension communications specialist, will be on hand to lead demonstrations with visiting parents, teachers and children.

The article includes a description of the exhibits and programs at the Engineering Open House, including robots, exhibits of every imaginable kind, and competitions. It also highlights the educational value of the event for students of all ages.

Free Admission
Parking/Shuttle service
ACES: Park free at the south end of University Lot E-14, at First Street and St. Mary’s Road, just southwest of Assembly Hall in Champaign. A free shuttle service will run between Lot E-14 and the Plant Sciences Laboratory, the Stock Pavilion and other Open House sites beginning at 9 a.m. and running continuously until 4 p.m.

EOH: A free campus shuttle shuttle also will be operating every 30 minutes both days from the Stock Pavilion between 9:30 a.m. and 3:30 p.m. Visitors can travel across campus to EOH. On Saturday, on street and campus lot parking will be available.

Spread throughout the engineering cam- pus, more than 150 exhibits – featuring student research and projects sponsored by engineering societies – will reflect the heart and soul of Engineering Open House.

“On March 3, the maze will be taken down and the robots will square off in multiple rounds of the ever popular “robot wars” demolition derby.”

The article concludes with a reflection on the impact of the Engineering Open House on students and the community.
brief notes

Meeting to focus on transgender issues

Ally Network to host meeting

The Ally Network will hold a meeting March 2 to discuss "Transgender Issues" in a series titled "Increasing Understanding on Issues of Sexual Orientation Within the University Community." The meeting will begin at noon in Room 210 Illini Union, and will run until 2 p.m., with a break at 12:55 p.m. for those who need to leave early. The group plans to continue the series with meetings on the first Friday of each month. For more information, contact the Lesbian, Gay, Bisexual and Transgender Office at 244-3277.

Department of Speech and Hearing Science

What’s your favorite family story?

The department of speech and hearing science is conducting research on how mothers’ language influences their children’s language development.

African-American mothers and their 4-, 5-, 6- and 7-year-old children are needed to participate in a storytelling study. Participation involves three visits totaling approximately 2 hours and 45 minutes. Visits one and three will take place at the UI Children’s Research Center while the second visit will take place at the participants’ homes.

For participating in this study, the child will get a book per visit, and the parent will get a transportation reimbursement of $5 for visits one and three. For more information, call Terrylynn Jenkins at 244-7125.

American College Dance Festival

Dance Festival this March 9-12

The UI department of dance, in conjunction with the College of Fine and Applied Arts, will host the American College Dance Festival Association Great Lakes Regional Festival March 9-12 at Krannert Center for the Performing Arts. About 650 dance majors and faculty members will meet to share their work and participate in more than 75 festival events.

A highlight of the festival is that it is open to the public is the opening concert by Doug Varone and Dancers at 8 p.m. March 9 in the Tryon Festival Theater.

Adjudicators for the festival include Donald McKayle, Elizabeth Streb and Doug Varone. The closing gala concert on March 12 features works from participating institutions. For more information about the ACDAF, visit the festival Web site, www.dance.uiuc.edu/dance.

Free Community Medical School

Classes teach medicine, science

Area residents can enhance their knowledge of medicine and science by attending the Community Medical School, a new program of the UI College of Medicine. The free, four-evening course begins March 20 at the Carle Forum, located one block north of Carle Foundation Hospital, 611 W. Park St., Urbana, and continues each Tuesday through April 10. Medical professionals will conduct the sessions.

Participants will receive free class materials and free parking. The UI College of Medicine Development Foundation and Pfizer Inc. are funding the program.

Each session will feature lectures and demonstrations, beginning with basic scientific principles and advancing to material directly relevant in practice. The weekly topics:

March 20, 6:30-9 p.m. — “It’s Got a Good Beat, But Can You Dance to It?” Dr. Abraham Kocheril, a cardiologist with the Carle Heart Center, will discuss the human heart, including the benefits of wine. An optional social hour with wine tasting and music will follow.

March 27, 7-9 p.m. — “Food or Pharmacy?” Dr. Terry Hatch, a pediatrician with the Carle Clinic Association, and a panel of experts tackle the nuances of nutrition — including the food pyramid, fad diets, nutraceuticals and herbal supplements. Following the program, a sampling of nutraceuticals and healthy snacks will be offered.

April 3, 7-9 p.m. — “When Good Cells Go Bad.” Dr. Bradford Schwartz, a physician and also a professor of biochemistry and medicine at the UI, will discuss cancer on a cellular level and provide an overview of current treatments and promising therapies of the future. An array of antioxidant-rich refreshments will be served at a reception after the session.

April 10, 7-9 p.m. — “The Robot Will See You Now.” New technologies booming on the horizon of medicine, including robotic surgery, virtual reality and nanotechnology, will be discussed by Dr. Rick Satava, a professor of surgery at the Yale University School of Medicine.

Call 383-6087 to enroll or for additional information.

Illini Center in Chicago

International lecture series begins

A new luncheon-lecture series is being launched at the Illini Center, 200 S. Wacker Drive, Chicago. The Distinguished Faculty International Lecture Series, sponsored by the university’s Office of Continuing Education and the UI Alumni Association, features presentations by UI faculty members whose research and teaching focus on international topics.

A different program is offered each month. Sign-in, seating and opening remarks begin at 11:30 a.m. in the center’s Orange and Blue Room; lunch will be served at 11:45 a.m. Lectures begin at 12:15 p.m., followed by a question-and-answer session at 1:10 p.m. The cost per session is $30.

Upcoming programs include:


• April 25, “Nicholas II and the Death of the Monarchy in Russia,” Mark Steinberg, professor of history.

For more information, or to register to attend, contact Allison Walter at 333-1993; or send e-mail to a-ramsey@uiuc.edu.

Mid-semester rates now available

Get fit for less at Campus Rec

Beginning March 10, Campus Recreation members, valid through June 11, will be available at a mid-semester rate of $50 for faculty and staff members as well as spouses and partners. Children’s memberships are available for $25 with some restrictions.

To purchase a membership, visit Member Services, 140 DMPF. For more information or to download a membership form, go to www.campusrec.uiuc.edu.

UI College of Law

Myths of Social Security, Medicare

Mark Weisbrot will be the featured speaker at the annual Elder Law Journal Lecture at 1 p.m. March 1 in the Max Rowe Auditorium of the UI College of Law. The title of his lecture is “Demographic Tidal Waves and Other Myths: Social Security and Medicare.”


Partnership Illinois seed grants available

Grant-writing workshop is March 8

Grants of up to $15,000 each are available on a competitive basis to faculty members and other academic staff members from a Partnership Illinois seed-grant pool of $100,000. The grants are to stimulate new strategic partnerships that use the knowledge base of the university to meet the critical needs of external partners.

Full proposals are due April 9. A one-page letter of inquiry may be submitted by March 14 to receive feedback prior to preparing a full proposal.

Anyone interested in submitting a proposal is encouraged to attend a pre-grant workshop at 1:30 p.m. March 8 on the third floor of the Levis Faculty Center. The coordinators of the committees reviewing the proposals will provide information and guidance on the preparation of proposals. Advanced registration is encouraged, but not required. If you plan to attend, call Ellen Foran at 333-6394 or e-mail c-foran@uiuc.edu.

Application guidelines are available from the Office of the Chancellor at 333-6394 or on the Web at www.oc.uiuc.edu/ocep. Partnership Illinois is a campuswide strategic initiative to promote, renew and expand the public-service mission of the Urbana campus.

Civil Service Employees and Dependent Scholarship

Scholarship deadline is April 9

Applications for Civil Service Employees and Dependent Scholarship deadline is April 9. Applications for Civil Service Employees and Dependent Scholarship are available electronically on the Web at www.pso.uiuc.edu. Hard copies are available at the Personnel Services Office, Operation and Maintenance Division, and the Benefits Center. They also may be obtained from Civil Service representatives Gary Fry, Bernard Hettinger, Bob Schweighart or Tim Wood.

Application deadline is April 9. Typically eight recipients are selected the second week in May with an award ceremony held in mid-June.

see BRIEFS, PAGE 9
The Office of Academic Human Resources, Suite 420, 807 S. Wright St., maintains listings of academic openings that can be accessed during regular business hours. Listings also are available online. Academic professional positions are listed at http://webster.uihr.uiuc.edu/jobs. Faculty job opportunity information can be found at http://webster.uihr.uiuc.edu/ahr/jobs/index.asp. Prospective employees and students can receive e-mail notification of new positions by subscribing to relevant listservs (look under Career Information at http://webster.uihr.uiuc.edu/ahr/default.aspx).
1 Thursday
"Demographic, Tidal Waves and Other Myths: Social Security and Medicare."

"Iwasawa Theory of Elliptic Curves."
John H. Coates, University of Cambridge. 4 p.m. 245 Altgeld Hall.

3 Thursday
"Theatrical Mechanism of Nature’s Fastest Enzymes: Carbonic Anhydrase and Superoxide Dismutase."

4 Friday
"Aesthetic Methodology."
Paul Buchheit, Yeshiva University. 3 p.m. 3269 Krannert Art Museum. 10 a.m. Krannert Art Museum.

5 Saturday
"Yellow Boat."

5 Sunday
"Diet in Early Nineteenth-Century: Conceptions of Health and Illness."
Patty Greenblthal, DePaul University. 7:30 p.m. 62 Krannert Art Museum. Law of Miller and Cohnren.

1 Monday
"Being a Seer: An Adventure in Molecular Recognition."
Kenneth S. Skolnick, UI. Noon. Illinois State University. Center for Advanced Study.

2 Monday
"A World Without Candidate Disarmament and International Security; Mathematics; Discrete Mathematics.
Larry Smol, UI. 10 a.m. International Studies Building. Russian and East European Center.

3 Tuesday
"Making Cabbage Healthy: Nutritional Sciences."
James Alixxe C. Torres, director. 8 p.m. Colwell Memorial Room, Smith Hall. 2 p.m. Memorial Room, Smith Hall.

8 Thursday
"Religion: Help or Hindrance to a Culture of Peace."
Thomas Gamble, Catholic Bishop of Detroit. Lansing 11:45 a.m. speaker. 12:10 p.m. Latzer Hall.

8 Thursday
"Diet in Early Nineteenth-Century: Conceptions of Health and Illness."
Larry Smol, UI. 10 a.m. International Studies Building. Russian and East European Center.

8 Friday
"Making Cabbage Healthy: Nutritional Sciences."
James Alixxe C. Torres, director. 8 p.m. Colwell Memorial Room, Smith Hall. 2 p.m. Memorial Room, Smith Hall.

9 Friday
"The Two Gentlemen of Verona."
Robert Anderson, director. 8 p.m. College Playhouse, Krannert Center. Admission charge.

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CALENDAR, CONTINUED

FROM PAGE 10

Bruckner's Symphony No. 8 in C minor, Op. 90, will be performed. Admission charge.

6 Thursday

Visiting soloist Carol Van Dyken will perform a program of works by various composers. Admission charge.

8 Thursday

The New England Symphony Orchestra will perform a program of works by various composers. Admission charge.

12 Thursday

The Oberlin Wind Ensemble will perform a program of works by various composers. Admission charge.

15 Thursday

The Chamber Music Society of Lincoln Center will perform a program of works by various composers. Admission charge.

18 Thursday

The Oberlin Wind Ensemble will perform a program of works by various composers. Admission charge.

22 Thursday

The Chamber Music Society of Lincoln Center will perform a program of works by various composers. Admission charge.

25 Thursday

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28 Thursday

The Chamber Music Society of Lincoln Center will perform a program of works by various composers. Admission charge.

31 Thursday

The Oberlin Wind Ensemble will perform a program of works by various composers. Admission charge.

Beethoven and Brahms

Beethoven's Triple Trio is used for its remarkable artistry to remind its listeners how rich and joyous live music can be. The ensemble presents a concert of two major works by Beethoven and Brahms as part of Krannert Center for the Performing Arts' Sunday Salon Series at 3 p.m. March 4 in the Foellinger Great Hall. From left, pianist Seth Knopp, violist Violante Melancon and cellist Natasha Brofsky will perform Beethoven's Trio in B flat major, Op. 97, "Archduke," and the Piano Trio in B major, Op. 8, by Brahms.
Lupu receives lifetime achievement award from Romanian Cultural Foundation

By Melissa Mitchell
News Bureau Staff Writer

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It music professor Sherban Lupu has received a lifetime achievement award from the Romanian Cultural Foundation for his efforts to promote Romanian culture and music internationally.

Lupu traveled to his native Bucharest in January to accept the Gala Award, presented at the foundation’s annual awards festivities. The foundation awards the honor “for personalities of the international cultural and scientific life who have been involved in promoting Romanian culture abroad.”

A violinist, Lupu was also invited to present a recital during the nationally televised awards ceremony, which was attended by Romanian President Ion Iliescu.

Among his most recent professional activities, Lupu — in collaboration with composer Cornel Taranu — completed and reconstructed the “Caprice Roumain” for violin and orchestra by Romanian composer George Enescu. The composition was included on a CD recently released in Europe on the Elect record label featuring Enescu’s complete works for violin. Lupu was joined on the recording by Valentin Gheorghe and the Bucharest Filarmonica Orchestra, under the direction of Cristian Mandeal. The recording recently was ranked among the best classical CDs of 2000 by The Independent, a newspaper published in London.

A graduate of the Bucharest Conservatory, London’s Guildhall School of Music and Indiana University, Lupu joined the faculty of the UI School of Music in 1987. Throughout his career as a performer and teacher, he has devoted himself to the dissemination of music by Enescu and other Romanian composers.

Lupu has worked with several Romanian composers, who have dedicated works to him, including Gheorghe Costinescu, Violeta Dinescu, Dumitru Ghezzo and Theodor Gligor. Last October, in collaboration with the UI’s Russian and East European Center, Lupu organized a campus festival and symposium dedicated to the music of Enescu.

Top honors. Sherban Lupu, a UI professor of music since 1987, received a lifetime achievement award in his native Bucharest in January from the Romanian Cultural Foundation for his efforts to promote Romanian culture and music internationally. The award was presented at the foundation’s annual awards festivities. Lupu, a violinist, also was invited to present a recital during the nationally televised awards ceremony.

A versatile soloist and chamber musician, Lupu is a member of the George Enescu Chamber Players, Chicago Ensemble and founder of the UI’s Enescu Ensemble. His solo appearances have included recitals at major concert halls throughout Europe and the United States, including at Carnegie Hall. Lupu appeared there in 1998, in a concert he organized in honor of Emil Constantinescu, who then was the president of Romania.

"From Communism to Harry Freedom and Librarians" will be presented by these School Performing Arts Friday. East end of Law Library. will be held at the Bair Library. "Allerton Legacy" exhibit at Krannert Center. Tuesday; 8 a.m.-1 p.m. Visit www.prairienet.org/ contra/ or e-mail j-sivier@uiuc.edu for more information.

organized by the Women's Club

PC User Group Tuesday, Feb. 13, 7 p.m. 1310 Digital Computer Lab. Topic: enhancing photos for the WKW in Photoshop. Call Mark Zinzow, 244-1289, or David Harley, 333-5656, for more information.

Scandinavian Coffee Hour 4-6 p.m. Wednesdays. The Bread Company, 706 S. Goodwin Ave., Urbana. Contact: Ingrid Goodwin, 333-3602, for more information.

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