Northern climate, ecosystems driven by changing sunlight

By Jim Barlow
News Bureau Staff Writer

Emerging geochemical and biological evidence from Alaskan lake sediment suggests that slight variations in the sun’s intensity have affected sub-polar climate and ecosystems in a predictable fashion during the last 12,000 years.

Researchers at six institutions report the findings in the Sept. 26 issue of the journal Science. The data, they say, help to explain past changes on land and in freshwater ecosystems from northern latitudes and may provide information to help predict the future.

The scientists identified cycles lasting 200, 435, 590 and 950 years during the Holocene Epoch, said principal investigator Feng Sheng Hu. The pattern of environmental variations they found also matches nicely with cyclic changes in solar irradiance and the extent of sea ice in the North Atlantic.

“We found natural cycles involving climate and ecosystems that seem to be related to weak solar cycles, which, if verified, could be an important factor to help us understand potential future changes of Earth’s climate,” Hu said.

“Will changes in solar irradiation in the future mitigate or exacerbate global warming in the future? They may do both,” said Hu, a professor in the plant biology and geology departments at Illinois. “A period of high solar irradiance on top of high levels of greenhouse gases could result in unprecedented warming.”

The new data come from Arikok Lake sediment in the tundra region near the Ailik Mountains, along the southwestern coast of Alaska. Hu and co-author Darrell Kaufman of Northern Arizona University in Flagstaff have conducted climate-change research in that region for more than a decade.

“To our knowledge, this is the first data set from the North Pacific high latitudes that has enough details to evaluate the effects of centennial scale solar cycles on climate and ecosystems,” Hu said.

Sediment samples were tested for a variety of biological and chemical components related to environmental qualities, including their composition of biogenic silica, pollen and isotopes. The new data combined with recent findings of North Atlantic ice cover and production records of the Sir ALASKA.

CITES personnel kept busy protecting campus networks, machines

By Craig Chamberlain
News Bureau Staff Writer

August was one of those months where many people probably wondered if it was all worth it — the e-mail, the Web, the connections.

They learned about the Blaster worm and the Sobig virus, and wasted hours of work time dealing with the consequences. Many had to deal with sudden floods of e-mail clogging their mailboxes. Some found themselves with infected and sometimes dysfunctional machines that had to be disconnected from the network until they were cleaned.

Other attacks followed, such as e-mails purportedly from Microsoft, with “patches” to be applied immediately. Were they the real thing, or not? (Not. In fact people who opened the patch attachments likely infected their machines.)

The UI systems survived — unlike at some universities where major services such as e-mail were shut down — thanks to countless extra hours of work by system and network administrators.

Between late July and late August, “we had over a thousand computers on the campus that were compromised,” says Susan Lewis, the deputy chief information officer for the campus. Between dealing with those machines, anticipating the connection of student machines for the fall, and a variety of other related concerns, “it was a major effort for us to stay on top of it,” Lewis said.

But very little of it came out from the blue, and it’s rarely the case that it did, Lewis said. Operating system vulnerabilities, such as those found recently for Windows, are usually found before the “bad guys” can take advantage in a major way. “We patch as soon as we know about vulnerabilities written quickly by the software companies and made available free of charge.”

CITES (Campus Information Technology and Educational Services) also often can tell when hackers are making their move, Lewis said. “Our staff networks people are constantly monitoring the network 24 hours a day,” she said, and they can often tell when the campus network is being scanned for vulnerabilities through ports on individual machines.

“Usually when our campus is being scanned, that means someone’s out looking for trouble,” she said.

But it still comes down to a problem of awareness among those responsible for individual machines, downloading the necessary updates, and getting them installed on individual machines.

“Our network is a shared resource, and consequently we are only as strong as our weakest link,” Lewis said. “So it’s very important that each of us understand that a vulnerability in one part of the network can affect people in another part of the network very easily.”

It’s one drawback to the openness, speed and decentralization of the campus network, Lewis said. “Universities like ours have very good, very fast access to the Internet, and so if our systems are compromised, then we have the good, fast access to compromise other machines, both on and off campus. … If we were all doing this over 300 baud dial-up, we wouldn’t see near the rate of infection.”

The annual prize recognizes accomplishments in scientific fields not covered by the Nobel Prizes in science, which the academy also selects. Woese, the Stanley O. Rensberg Endowed Chair, was honored for “his discovery of a third domain of life,” according to the academy’s announcement in February.

“Carl Woese exemplifies our very best,” said Provost Richard Herman. “We take great pride in this signal recognition of Carl’s magnificent achievement.”

Woese accepted the prize at the end of a three-day symposium devoted to the “Phylogeny and Evolution of Microorganisms.” He concluded the symposium with a keynote address on “The Archaea and What They Represent.”
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taking at least 14 semester hours for letter
percent of its students each semester. Students
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"We are choosing to keep Illinois the
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highs, and Illinois leads all universities in
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were told to plan for budgetary cuts of

president. The cuts we’ve had to
brought more than $48 million this fiscal year
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proposed a meeting on Oct. 2
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proposed to improve Banner's admissibility,
"The college has limited funds and cannot

For fiscal year 2003-04, the chancellor has
taught by Richard Mintel, has been study
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Conference to explore future of budget-challenged UI Library

By Andrea Lynn
News Editor, Staff Writer

A conference to explore the future directions of the budget-challenged UI Library will be Oct. 30-31 at the Illini Union.

The conference will feature presentations by international experts in a variety of fields, including Deanna Marcum, associate librarian for library services at the Library of Congress; Clifford Lynch, executive director of the Coalition for Networked Information; and Jean-Chantal F felon, professor of comparative literature at the University of Montreal. Topics include critical issues facing research libraries; important services in the future; the role of print and print repositories in the digital age; trends in scholarly communications; and library space in the digital age.

Funded by the university’s offices of the Chancellor and of the Provost, the conference was organized by the Library’s Long Range Planning Committee.

The conference was designed to give the Long Range Planning Committee “insight for its change to provide advice on our long term direction,” University Librarian Paula Kaufman said. The conference, she said, is primarily aimed at all members of the library’s various advisory committees, including faculty, staff and students.

Alexander Schellein, a chemistry professor at Illinois and member of the Library’s Long Range Planning Committee, said that the Library has had public hearings for years, “but this is the first time we have had a panel of internationally renowned speakers coming to campus with their insights bringing administrators, faculty staff and students from across the campus up to speed on the state of libraries and scholarly communications.”

According to Schellein, who led a committee that organized the conference, “Illinois Library – the largest public university library in the world with 10 million volumes – is challenged by a string of large budget cuts, which in turn impact patrons’ expectations.

“Faculty and students expect the Library to provide access to all the world’s literature, either instantaneously via electronic or via hard copy in the stacks. No one – not even the Library of Congress – has that broad a collection any more. To do with constrained resources? We’re drawing in many directions by many issues, all at once.”

“Anyone who recognizes that ‘it’s not 1960 anymore,’ when it comes to generating funding, reviewing, and accessing scholarship, will find the conference of value.”

The conference Web site at http://door.library.uiuc.edu/conf/Confer.htm includes the conference schedule, participants and their topics. For more information, contact Kim Reynolds in the Office of the University Librarian at 333-0700.

deaths

Faye Bachert, 92, died Sept. 25 at the Champaign County Nursing Home, Urbana. Bachert was a stenographic secretary at the University of Illinois from 1952-1958. She retired in 1974 after 17 years of service to the university. Memorial: First Methodist Church, Urbana.

Robert G. Bartle, 75, died Sept. 18 at his Ann Arbor, Mich., home. Bartle was a UI professor emeritus of mathematics and would have been 82 years old this month, retiring in 1990. At age 36 he became a full professor at the UI, the youngest person to achieve that rank.

George A. Costello, 69, died Sept. 19 at Carle Foundation Hospital. Costello, professor emeritus of theoretical and applied mechanics, began his career as a professor at the UI in 1956. He continued for 40 years. Memorials: St. Patrick’s Church, Champaign County Humane Society or a Parkinson’s disease foundation.

Mildred Goff, 79, died Sept. 17 at Champaign County Nursing Home, Urbana. Goff retired in 1991 from the department of food science as an administrative secretary after working at the UI for 39 years. She returned to campus as extra help for the UI budgeting, budgeting and accessing scholarship search project on business fluctuations and worked on the life-cycle hypothesis.

Memorials: American Cancer Society, American Heart Association or Champaign County Humane Society.

Franco Modigliani, 85, died Sept. 25 at his home in Cambridge, Mass. Modigliani won the 1985 Nobel Prize in economics. While at the University in the early 1950s, he directed a research project on business fluctuations and worked on the life-cycle hypothesis.

Memorials: University of Illinois Library, Urbana.

David W. Smith, 57, died Sept. 22 at Provena Covenant Medical Center, Urbana. Smith was a data processing analyst at the Division of Housing and Urban Development.

Memorials: Piatt County Toy and Gift Program.

On the Job Sue Walker

While the thousands of patrons who flood Assembly Hall to see a concert may only be attentive to a single person’s performance, there may be as many as 300 other people at the building whose work makes that performance possible. Sue Walker, assistant director for event management, is the person who coordinates the hundreds of staff support – from the backstage security guards to the attendants in the parking lots – that help orchestrate the basketball games, concerts, conferences and other events that draw crowds to Assembly Hall. Walker, who joined the university’s staff in 1990, earned a bachelor’s degree in public relations, with a minor in business, and a master’s degree in communications from Illinois.

Tell me about your job.

Once a show is booked through our director, I plan it with the front of house staff, which includes the parking staff, gate workers, ushers, backstage security, concessions workers and our housekeeping service people. I also am responsible for the in-house medical staff. I coordinate with the police, the ambulance, the caterers and the towing companies to make sure we have coverage if it’s deemed necessary. For a basketball game, we could have as many as 300 people working in the building for a sold-out event.

How did the Sept. 11 terrorist attacks and the increased emphasis on security impact your job?

There’s a difference between working with the retirees that we have and working with the students, but that’s what I love about my job: There are so many different people from all walks of life. I work odd hours at times: a lot of nights and weekends.

With the variety of events you host, do you run into some unusual situations?

Every event is different. Yes, there are some unusual things that happen but that’s what I really like about my job: It’s something different all the time.

A strange thing that happened was when Garth Brooks came for three shows. Here’s his huge superstar that you don’t expect will ever come out of his bus until he goes onstage. But he was actually helping the stagehands rig the show, and he was very active backstage throughout the entire event on Oct. 2, 2003 Page 3

InsideIllinois
Campus Award for Excellence in Public Engagement

Recipients honored for public service, outreach

Two faculty members, one academic professional, one staff member, and three students have been honored with this year’s Campus Award for Excellence in Public Engagement.

In its fourth year, the awards program was developed to recognize those who fulfill the university’s commitment to using their scholarly, creative or professional knowledge to improve the well-being of Illinois citizens. Recipients were honored at a reception Sept. 30.

The program is an extension of the Partnership Illinois initiative and the Senate committee on Continuing Education and Public Service.

For information about nomination procedures and criteria for selection, go to www.peir.uiuc.edu/pe/awardsandgrants.html.

James B. Kaler  
professor emeritus of astronomy

Since joining the UI faculty in 1964, professor James Kaler has become one of the world’s leading experts in astronomy. “During the course of his research,” wrote astronomy chair Lewis Snyder in nominating Kaler, “Jim began to write about some of his work in articles directed to the public. (He is now an internationally known figure in science outreach and public education, working in a variety of media.)”

In addition to having written three textbooks, Kaler has written many other books for the public that explain the discoveries of modern astronomy. Kaler also has spread the word through public lectures, television and radio appearances, and his involvement with the nation’s planetarium community. For the past 16 years, he has educated others about the joys of the sky with a weekly update called “Skylights.” The column initially was e-mailed to interested individuals and organizations and is now posted on the Web (www.astro.uiuc.edu/~kaler/skylights.html) and gets more than 5,000 hits per week.

“Jim’s impact on science education through his articles, books, lectures and informational services have been incalculable, and have given great visibility to the astronomy department and the UI,” Snyder said.

Teresa K. Easterly-Adams  
community worker

UI Extension, Macon County Office

“For more than 10 years, Teresa Easterly-Adams has identified community issues, developed strategic responses, and has implemented dozens of programs in the region with research-based education from the UL,” said Stuart Ellis, Macon County Extension Unit Leader. “Her efforts have touched thousands of citizens.”

As a result of one 4-H based initiative, more than 1,000 students annually were exposed to Extension educational materials in their classrooms and more teachers became aware of UI Extension as a resource to meet their professional needs.

As committee co-chair, Easterly-Adams worked with more than 20 area service providers, as well as law enforcement and fire personnel and Richland Community College staff members to plan and present Macon County’s Annual Safe Kids Day. The popular event, which teaches how to prevent childhood accidents, has received national recognition three times from the National Safety Council.

Ten years ago Easterly-Adams joined the Board of Directors of Decatur Community Partnership to formally work with other individuals dedicated to improving the social, economic and clinical health of the Macon County community through collaboration. The partnership has brought more than $7 million grant-funded dollars to the county to fund a myriad of programs, including projects linking to Extension services and educational resources.

Umesh Thakkar  
senior research scientist, National Center for Supercomputing Applications and Beckman Institute

For nearly 10 years, Umesh Thakkar has provided leadership and initiative developing, integrating and evaluating the integration of technology into education. This has included training teachers and students from kindergarten to college age.

He co-directed the Chickscope project in the late 1990s, which is still widely used by K-12 students and teachers to study chicken embryo development using remotely controlled scientific instruments. He directs the educational outreach of the Bugscope project, which allows students and teachers to remotely operate a scanning electron microscope to image bugs at high magnification. He also manages the Biology Student Workbench project in which software and numerous educational materials have been developed for bioinformatics education, and he is principal investigator of the VR Savvy project, in which middle school girls learn how to build virtual worlds using the CAVES.

“Because of Umesh’s leadership in building communities around education technologies, he has been asked by the National Science Foundation to take a one-year leave of absence from the UI to head a committee charged with constructing a blueprint for NSF’s initiatives in this area for the next several years,” wrote Eric Jakobsson, professor of molecular and integrative physiology and senior research scientist in the Beckman Institute and NCSA. “In agreeing to undertake this, Umesh specified as one of the conditions that he be able to return each month to Urbana for the meetings of the school district advisory group so that he could maintain his commitment to the local community while still sharing his efforts with the entire nation.”

Michael F. Hutjens  
professor of animal sciences

Professor Mike Hutjens has developed an international and national dairy outreach teaching program, Dave Fischer said in nominating Hutjens.

Fischer, regional animal systems educator in the department of animal sciences, said that Hutjens began teaching extramural courses in 1988. Through the needs of his audience, he developed an applied dairy nutrition course that afforded students an opportunity to further their careers, and at the same time to balance educational needs with business and family commitments. The program has changed through the years and now is a hybrid CD-ROM/Internet-based course – the first animal sciences course offered in the United States using this combined technology. Because of increased demand, the course is now offered every semester. The course fills a “unique and emerging need in the department of animal sciences,” wrote Fischer, “as it reaches out to non-traditional students with diverse backgrounds, knowledge, experience and focus.”

Student winners

- Allen O. Eghrari  
undergraduate student liberal arts and sciences

- Sascha D. Meinrath  
graduate student psychology

- Janni Sorensen  
graduate student urban and regional planning

Photography by Bill Wiegand
Documentary profiles Amasong, local lesbian/feminist chorus

By Melissa Mitchell
News Bureau Staff Writer

When then-UI music student Kristina Boerger set out to organize a lesbian/feminist chorale in 1991, she drew women in with a hand-lettered poster announcing that the choir was open to any woman who could sing. Or, as Amasong member Raeann Dossett recalls in a new documentary by_ui_music_film”, an interesting background, and political identities to an award-winning “The Water is Sweet Over Here.” The ensemble.” In 1998, the ensemble won a GLAMA award from the Gay and Lesbian American Music Association for its recording “The Water is Sweet Over Here.” The award is informally regarded as the gay and lesbian equivalent of the Grammy award. In 2000, Amasong picked up two more GLAMA awards.

The other storyline that runs through the documentary, Rosenstein said, “is the way in which the group becomes a mainstream, acceptable part of the community. “It’s the task of social justice to get done, if you know it, they were accepted. It’s a military envelope and eventually brought him to the attention of people in Washington. Mackin said he felt a need to contribute to post-Sept. 11 recovery and reengaging in a personal way. A routine e-mail from the American Society of Mechanical Engineers seeking applicants for its Executive Fellows program, a massive he normally might have trashed without reading, offered an opportunity to work on counterterrorism in Washington, D.C., and Mackin jumped at the chance.

After several rounds of interviews, Mackin received a call one Monday in March 2002 notifying him of his appointment and asking if he could be in Washington, D.C., by the following Friday. Luckily, Mackin had finished his post-doctoral course and was able to depart within two weeks later. The OSTP was authorized by Congress in 1976 to advise the president and other leaders in the Executive Office on the impact of science and technology policies on society. Mackin assisted technical support to the Office of Homeland Security and comprises two divisions: science and technology. Mackin was assigned to the technology division, which includes departments in technology, telecommunications, information technology, and space and aeronautics.

Calling his experience “trial by fire,” Mackin said that within a week of his arrival in Washington, D.C., he was not only representing the White House at various meetings, he also was helping staff at OSTP provide Senate for their Senate confirmation hearings. Mackin acted as the White House liaison to both the Networking and Information Technology Research and Development program and the National Nanotechnology Initiative. As NNI liaison, Mackin worked with the subcommittee that oversees the federal R&D budget. In addition, he interacted with the House and Senate on legislation authorizing $3.4 billion in appropriations for the NNI during the next four fiscal years. However, Mackin’s primary responsibility in Washington, D.C., was working on technology policies on terror, the details of which he could not divulge.

Calling it the “opportunity of a lifetime,” Mackin said he found it amazing to realize he was representing the White House and the president.

“You learn pretty quickly that you have this incredible responsibility to be careful with what you say because people are listening,” Mackin said. “I’d never been in a position before where people were listening so closely. I often joked in my office that all the funding agencies that never returned my calls before now returned every call I made within five minutes. When you call from the White House, people return your calls.”

Although Mackin returned to campus in June, he continues to serve on the Technical Advisory Group to the president’s Council of Advisers on Science and Technology, which has been asked to review the NNI.

Mackin said his work in Washington changed his perspective on the scientific and engineering enterprise in the United States and has demonstrated to him that a great need exists for experts in these fields to function as advisers to policymakers.

“I discovered there are a great many really inspired, intelligent people working at various agencies on Capitol Hill and in the White House, all of whom are trying to run these programs to the greatest advantage,” Mackin said. “That was an incredible collection of people to interact with because they were all working toward something they believed in that was bigger than themselves.”

By Sherita Forrest
Assistant Editor

A yearning to make a personal contribution to the nation’s counter-terrorism initiatives led one faculty member from his Urbana campus classroom to the steps of the White House.

Thomas Mackin, professor of mechanical and industrial engineering, spent a year in Washington, D.C., working in the Office of Science and Technology Policy in the Executive Office of the President of the United States. There, Mackin served as the White House liaison to interagency groups on information technology and nanotechnology from April 15, 2002, to April 14, 2003, as an American Society of Mechanical Engineers’ fellow.

Mackin’s road to the capital began Sept. 11, 2001. In his classroom in the wake of the terrorist attacks, Mackin said that he could not foresee conducting his two class sessions the next day with the usual material. Recognizing the unique learning opportunity that the collapse of the World Trade Center posed for his engineering students, and recognizing students’ needs to discuss the events, Mackin devoted his class sessions every day for a failure analysis study of the World Trade Center. When an intrigued student e-mailed copies of Mackin’s presentations to his father, the presentation was quickly disseminated to hundreds of other people via e-mail, drawing Mackin into a public role that added his e-mail box with e-mail and eventually brought him to the attention of people in Washington.

Mackin said he felt a need to contribute to the post-Sept. 11 recovery and reengaging in a personal way. A routine e-mail from the American Society of Mechanical Engineers seeking applicants for its Executive Fellows program, a massive he normally might have trashed without reading, offered an opportunity to work on counterterrorism in Washington, D.C., and Mackin jumped at the chance.

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The office also works with the private sector, state and local government agencies and other nations to ensure that the $230 billion federal budget for research and development is invested in “the right areas that augment national security and prosperity.”

Calling his experience “trial by fire,” Mackin said that within a week of his arrival in Washington, D.C., he was not only representing the White House at various meetings, he also was helping staff at OSTP provide Senate for their Senate confirmation hearings.

Mackin acted as the White House liaison to both the Networking and Information Technology Research and Development White House liaison

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Chinese erhu master featured

One of the world’s foremost players of the Chinese erhu, Weiyang, will perform a program of Chinese music, from ancient to modern, at the Oct. 12 WLLF PM Second Sunday Concert. The erhu, a fiddle, two-stringed vertical fiddle, is most common in China during the Song Dynasty (AD 960 to 1279).

The free concert, which will be broadcast live on WLLF (90.1/101.1 in Champaign-Urbana), begins at 2 p.m. at the Krannert Art Museum and Einkend Pavillion in Champaign. Performing with Yiyang will be Tom Pungiat, flute and keyboard; Jeff Harg, drum set; Russell Clark, bass; Chan Jingfei, piano; Chad Dunn, percussion; Lada Cholack, flute; Jason Finkelstein, percussion; and the Amazing Chorus.

Yiyang, a resident of Champaign-Urbana, performed as a featured soloist in China’s premier traditional music and dance troupe for nearly 20 years. In addition, she started China’s first all-girl rock band, Cobra.

ACDS
Future of international conflict examined

To celebrate its 25th anniversary, UI’s Program in Arms Control, Disarmament and International Security is hosting a forum on Oct. 4 to consider the future of international conflict.

The forum, free and open to the public, will take place from 9 a.m. to 12:15 p.m. in 356 Armory Building.

More information, including registration, is at www.acsm.uiuc.edu/meetings/MIMEwebmaterial.htm.

Free Community Medical School

The Human Senses’ focus of course

Program residents can gain a broad understanding of medicine and science by attending the Community Medical School, a program presented by the UI College of Medicine and Carle Foundation Hospital. The free, three-part course covers the five human senses and begins at 2 p.m. at the Carle outpatient center, located one block north of Carle Foundation Hospital, 611 W. Park St., Urbana, and continues each Tuesday through November. Medical students will conduct the sessions. Widespread knowledge of the five human senses is crucial for doctors to practice their profession.

Lectures and demonstrations will teach a basic understanding of the sensory system. Prevention and treatment techniques of common disorders also will be presented as well as new technology for the restoration and healthy function of the sensory system.

The weekly topics: Oct. 14, 7-9 p.m. (“Seeing”); Oct. 21, 7-9 p.m. (“Hearing”); Oct. 28, 7-9 p.m. (“Taste”). Call 333-2278 to enroll or for additional information.

‘Harvard dean to speak

Inaugural Bazzani lecture

Joseph S. Nye Jr. will deliver the inaugural Craig S. Bazzani Lecture. His lecture, “The Paradigm of American Power,” will be from 4 to 6 p.m. at 153 Gregor Hall. Nye is the Don K. Price Professor of Public Policy and dean of the John F. Kennedy School of Government at Harvard University.


The Bazzani Lecture Series honors the long-time UI vice president for administration and comptroller. Bazzani served the UI for nearly 25 years. He came to the UI from the Illinois Bureau of the Budget. Widely recognized for his service, Bazzani was a major force in the development, administration and management of the University’s financial resources.

The Bazzani Lecture Series brings to campus leading researchers and commentator on public policy and political leaders and policy wonks.

Brown v. Board of Education Jubilee Commemoration

Original Freedom Riders to speak

The Illinois State Geological Survey has published a new Illinois Surface Topography map that shows the state’s land surface to a degree of detail that has never been seen. The map uses digital elevation data to create a three-dimensional visualization of the terrain of the entire state. Lighting, shading and color tinting techniques used in the map’s production allow readers to easily discern landscape features such as floodplains, hills, rivers and glacial moraines.

The map’s unprecedented level of detail has allowed scientists to identify many landscape features that were too subtle to be recognized in the past on individual topographic maps.

The Illinois Surface Topography Map is a new look at the entire state’s spatial patterns and regional characteristics,” said Don Luman, the ISGS’ principal investigator for the project. “It is an excellent way of seeing landforms that topographic maps don’t exhibit.”

Because the vertical scale has been exaggerated 20 times, subtle landscape features can be seen on Illinois’ surface that are not visible from the air. The state’s highest point is roughly 1,000 feet above its lowest point. For instance, the large sand dunes of Mason County and the prominent glacial end moraines in Bureau, Lee and McLean counties can be easily seen on the Illinois Surface Topography Map.

Lundman and his team have identified additional features.

Scientists viewing the Illinois Surface Topography map for the first time quickly identified many landforms that hadn’t been seen before, including unusual ridged topography along Interstate 39 in eastern Winnebago County. This landscape feature, which now has a name, is located where drumlins, which are elongated hills of glacial drift, were formed by the continental glaciers that covered both states.

The map offers the reader a three-dimensional perspective that reveals Illinois’ geological history,” Lundman said. The 34- by 36-inch full-color map is especially of interest to schools, land developers, natural resource professionals and municipal, county and state government bodies because it provides a visual record of Illinois’ geological history and how that history applies to societal issues such as flooding, soil quality and water quality.

The $1,500,000-scale map may be ordered for $10 from the ISGS Information Office. Write 615 E. Peabody Drive, Champaign, 618-320-6964, call 333-4747 (1020/785-0211), or e-mail igis@uiuc.edu.

The ISGS, a Division of the Illinois Department of Natural Resources, serves the citizens and businesses of Illinois.

Brief Notes

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The forum’s panelists – who include current and former scholars, consultants and government officials – who include former leaders in and experts on arms control, disarmament and issues related to international security.

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Oct. 2, 2003

Drumming Icon

Three years ago, audiences at Krannert Center for the Performing Arts thrilled to the stunning precision and elemental rhythms of the most revered drum ensemble of Senegal. The master drummer of Dakar, Doudou N’Diaye Rose (pictured), returned with his family orchestra to present the rhythms of their Wolof culture used for festivals and communication, speaking a universal language through their call-and-response chants and the vibrancy of their suber “talking drums” performing in the Tryon Festival at 7 p.m. Oct. 2.

Lectures


2 Thursday  “The Power of American Power.” Joseph Nye, Harvard University, will address the question of government and public affairs. 4:30 p.m. Graham Hall. Crawford Reading Room, Brown Building. University of Illinois at Urbana-Champaign. Board of Trustees.


Saturday  “Toward a Queer Genealogy of Gender and Sexualities.” Michael Warner. 10 a.m.-3 p.m. Assembly Hall, Cole Porter’s play within a play. © News-Gazette, Champaign-Urbana.

Colloquia

2 Thursday  “Two Tales.” 7:30 p.m. Tryon Festival Theatre, King. Composer Steve Reich and video artist Kent Koba have combined their talents to create interactive-audience participation in opera technology and experimental choreography. © News-Gazette, Champaign-Urbana.

2 Friday  Faculty Recital. Michael McNeill, trumpeter. 2 p.m. Krannert Hall, Smith Hall. © News-Gazette, Champaign-Urbana.

2 Friday  Faculty Recital. William Moore, conductor and piano. 2 p.m. Krannert Hall, Smith Hall. © News-Gazette, Champaign-Urbana.

2 Sunday  Miles Davis, jazz piano. 3 p.m. Tryon Festival Theatre, Krannert Hall, Smith Hall. © News-Gazette, Champaign-Urbana.

3 Tuesday  “Terror and Resistance in Vietnam.” Phan Hoang, associate professor of history at the University of Illinois at Urbana-Champaign. 4:30 p.m. 101 International Studies Building, East Asian Studies.

4 Tuesday  University of California at Berkeley. 7:30 p.m. 3rd floor, Levis Faculty Center. 5 p.m. University YMCA. Kimono Dressing for Children. © News-Gazette, Champaign-Urbana.

5 Wednesday  “Toward a Queer Genealogy of Gender and Sexualities.” Michael Warner. 10 a.m.-3 p.m. Assembly Hall, Cole Porter’s play within a play. © News-Gazette, Champaign-Urbana.


5 Tuesday  “Kimono Dressing for Children.” Toshie Kasada, kimono fashion designer. 1-3 p.m. University of Illinois at Urbana-Champaign. © News-Gazette, Champaign-Urbana.

5 Thursday  “Living in the Dream of White Superiority.” Christine Klein, University of Illinois at Urbana-Champaign. 7:30 p.m. Tribune and Lemon. © News-Gazette, Champaign-Urbana.

5 Friday  Newtown, Conn., and the Newtown School. 12:30-2:30 p.m. Krannert Center. New works by Irwin and John Adams, performed by the 2000 Champaign-Urbana Symphony Orchestra. © News-Gazette, Champaign-Urbana.


6 Sunday  “Terror and Resistance in Vietnam.” Phan Hoang, associate professor of history at the University of Illinois at Urbana-Champaign. 4:30 p.m. 101 International Studies Building, East Asian Studies. © News-Gazette, Champaign-Urbana.

7 Monday  “Gender and Political Violence in Asia.” Lennard J. Davis, University of Illinois at Urbana-Champaign. 1-4 p.m. MillerComm and Educational Program.

7 Saturday  “What’s the Fuss About?” A. D. Scott, assistant professor of philosophy, University of Illinois at Urbana-Champaign. 1:30 p.m. Faculty Center. © News-Gazette, Champaign-Urbana.

7 Sunday  “Chocolate - The Chemistry of Obsession.” Vijay K.S. Shinu, Frank Food Quality Research Center, Food Science and Human Nutrition, University of Illinois at Urbana-Champaign. 4:30 p.m. 149 Southey Social Science Research Center, Food Science and Human Nutrition, University of Illinois at Urbana-Champaign. © News-Gazette, Champaign-Urbana.


CALENDAR, FROM PAGE 7

Toshie
7-9 p.m. Vis
7:30-9:30 p.m.
209 Illini Union.

7 p.m. Visitor's Center, Allerton Park and Conference Center.

7-9 p.m. Visitor's Center, Allerton Park and Conference Center.

Fall Color Hike. 1-3 p.m. Visitor's Center, Allerton Park and Conference Center.

Friday, Oct. 12

Family Scavenger Hunt and Craft Room. 1-5 p.m. Visitor's Center, Allerton Park and Conference Center.

Ghost Story Concert. 7-9 p.m. Visitor's Center, Allerton Park and Conference Center.

Dialogue with the Original Author. 7-8 p.m. Visitor's Center, Allerton Park and Conference Center.

5 p.m. Visitor's Center, Allerton Park and Conference Center.

Start gallery. Online exhibit of the UI Art of Design. www.art.uiuc.edu/art

ongoing

Bluegrass Concert. Featuring Bruce and Christa, 8 p.m. Environmental Learning Field. UI Library.

Fall Color Hike. 3-3:30 p.m. Allerton Park and Conference Center.

See Stars. 7-9 p.m. Visitor's Center, Allerton Park and Conference Center.

exhibits


Unlocking Our Past, Building Our Future. 10 Million Books at the University of Illinois Library.

Main hall display cases, Library.


Blaise Cendrars "Fred (Louis Sauvage) 1897-1961." Modern Language and Literature.


Main hall display cases, Library.

2003 Campus Charitable Foundation UDF Drive: Partners for a Caring Community

You can make a difference with your gift, no matter the size.

Your donation to the American Cancer Society could help cover the cost of transportation for 12,000 cancer patients with the ACS “Road to Recovery” program. This program consists of volunteers driving cancer patients to and from their treatments.

Just $2 per week to the United Negro College Fund, Inc, covers fees for one student for one semester.

Please contact your unit or section leader to make a pledge.

Japanese culture explores
Kimono demonstration is Oct. 7 at the Spurlock Museum’s Knight Auditorium.

For more information, call 244-3355 or visit www.spurlock.uiuc.edu.