Welcome to the UI Quad


Virtual tour explores heart of campus

By Andrea Lynn

Even if it’s midnight and snowing and you’re in Anchorage, Alaska, if you can get to the Internet, you can tour the UI Quadrangle.

A new multimedia virtual tour of the Quad – complete with bells and whistles, literally – is two clicks away from the university’s home page on the World Wide Web.

The tour, titled “Let’s Tour the Quad: The Heart of the U. of I.” offers blue skies and mild sunny weather, archival and modern photographs, sound clips, and games, among other things, to show and tell the history of the Quad. In the beginning only a footpath, the Quad now is a busy pedestrian thoroughfare of crisscrossing sidewalks, and is anchored by the Foellinger Auditorium on the South and the Illini Union on the North.

To begin the tour, the visitor chooses a tour guide – one of five actual UI students – who then narrates the trip via pop-up dialog boxes. Using student guides “puts a human face on the tour – gives it a ‘you-are-there’ quality,” said Mark Otnes of the Sterling Creative Group, who designed and produced the tour. In addition to the historic information, anecdotes and “quirky trivia,” the guides tell you a little bit about their own educational goals and outside interests.

The visitor can zip through the tour or, using the remote control buttons labeled “Hidden Treasures,” “Look Who’s Here,” and “Strange But True,” take side trips that delve deeper into information regarding the unique features, people and histories of the 13 buildings that rim the Quad.

According to Otnes, highlights of the tour include: hearing the chimes from inside Altgeld Hall, enjoying a virtual snack, playing “Spot the Garagelle” and learning about the English Building ghost. Otnes said that the tour, which was conceived by UI Web administrator Steve Miller and sponsored by local realtor Sharon Hardness, offers “an innovative and unique approach to the UI.”

Harkness said that the tour “provides both a good introduction to the UI campus for people who are relocating to the Champaign-Urbana area, and a link to community information.”

Similarly, Miller believes the tour gives people “a feel for the campus” and an opportunity to “see how beautiful it is and how rich its history is.”

The archival photos, progress opportunities to “see how beautiful it is and how rich its history is.”

The new online tour of the Quad – easily accessible through the UI homepage at www.uiuc.edu — features real student tour guides to personalize it.

Psychology of gift-giving

Relationship’s strength critical to impact of gift

By Andrea Lynn

You think you’re just giving a gift, right? A simple act, no big deal. Researchers have news for you: It is a big deal. That gift could make or break your relationship with the recipient – depending on the quality of the relationship at the time the gift is offered.

In the realm of gift-giving, “It’s not the thought that counts. It’s the relationship,” says Cele Otnes, a professor of advertising at the UI.

According to Otnes, a co-author of the first study of recipients’ views on how gifts affect relationships, “Even the most inap- propriate gift – tampons or Maxi Pads for Christmas, for example, a gift one of our study participants actually received every year – can’t hurt a relationship, if the relationship is strong and the recipient perceives the giver’s intentions to be good. On the other hand, if the relationship is weak, even the best gift can’t save it.”

Combining face-to-face in-depth interviews with a group of 16 people, and reports on gift-giving experiences from another 125 people, the researchers found that gifts could impact the recipient’s view of a relationship in one of six ways. They could strengthen the relationship, affirm a positive relationship, have negligible effect, confirm a negative relationship, weaken or sever ties. Researchers also found that the meaning of a gift could change over the course of a relationship – with some gifts leading to a more positive – or a more negative – “relational effect.”

The results of the study will appear in the March 1999 issue of the Journal of Consumer Research in an article titled “Gift Receipt and the Reformulation of Interper- sonal Relationships.” Other co-authors are Julie Ruth of the University of Washington and Frederic Brunel of Boston University.

The authors also wanted to know why certain gifts have the effect they do on relationships. They found, on the most posi- tive end, that some gifts are “epiphanies,” which lead the recipient to realize that the giver shares his or her desire to elevate the relationship to a higher plane. On the oppo- site extreme are gifts that control – for example, a check with a card that says, “Call me the minute you get this!” – which certainly can confirm the impression that a giver is being manipulative.

Regarding gift giving on “calendar occa- sions,” Otnes observed that “All of the gift giving in the world can’t save a gift from harming the relationship, if that’s what the recipient perceives it’s doing.” However, you don’t need any ritual trappings to strengthen a relationship by means of a gift.

What seems to go over especially well, Otnes said, is when people create their own rituals, “presenting items with special, per- sonal significance and with their own liga- nies – for example, ‘This gum ball ring symbolizes our bond forever.’”

Yoon. On Wednesday morning Kim works on an art project while Yoon takes a nap. Finals end Dec. 19.

Holiday season begins at UI

By Andrea Lynn

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Inside

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Yoon takes a nap. Finals end Dec. 19.
Committee urges senate to encourage mentoring

By Becky Mabry

S
ometimes junior faculty members striving to get tenure don’t realize that any of their department heads and superiors very well, according to a UI faculty committee.

In fact, some of the job candidates are shocked in the fifth year of their endeavors when they learn tenure has been denied.

With emotions ranging from anger to confusion, some of these faculty members file complaints with the Faculty Advisory Committee of the Urbana-Champaign Senate. The complainants don’t understand, they say in the reports, why tenure was suddenly denied.

Their annual reviews had been positive, they say. They’d been left with impres- sions they were making sufficient progress; tenure, they thought, was just a blink away.

“The items that the candidates just do not pick up on many of the subtle and yet important aspects of qualifying for tenure,” says Ronald Peters, professor of la- bor and industrial relations and of human resource education, who chaired the Senate’s Faculty Advisory Committee last year.

“In the cases we’ve seen that have come to the Faculty Advisory Committee, the candidates had no idea they were not on the beam,” Peters said.

In nearly all the cases, the FAC investi- gation determined that those denied tenure had a serious lack of mentoring from senior members in the unit, he said. In some cases, probationary faculty members were given little or no warning that they were at risk, he said. Annual reviews indicated the candi- date was making sufficient progress, ac- cording to Peters.

At the Nov. 30 Senate meeting, Peters urged the administration and tenured fac- ulty members to give the issue of mentoring and guidance serious consideration.

“We’d like to call this to the attention of the faculty, just so they will pay more attention to it in the future,” Peters said.

The Faculty Advisory Committee believes that mentoring of junior faculty members is an issue deserving of more attention by the administration and departments.”

Junior faculty members are offered or denied tenure in their fifth year. Those denied may work their sixth year at the UI while they search for another position.

In other matters before the senate re- cently, members heard that the self-review of the UI’s athletic programs for the NCAA will not include information about Chief Illiniwek.

Tony Waldrop, professor of molecular and integrative physiology and of kinesthesiol- ogy, who chairs the UI self-study steering commit- tee. Waldrop said though the issue is important, the committee didn’t believe it was the proper theme of the study. Rather, the committee’s focus is to look at how the athletic programs are funded, for example, or how athletes are meeting aca- demic guidelines and if there is compliance with NCAA rules.

Stephen Kaufman, professor of cell and structural biology and a leader in the move- ment to oust the Chief, criticized the com- mittee for disregarding the Chief issue. Earlier in the Senate meeting, after Presi- dent James J. Stukel spoke to the senate about the future of higher education in Illinois, Kaufman asked why the senate’s resolution to get rid of the Chief was being ignored.

Stukel said the resolution is not being disregarded, but considered along with scores of other petitions and comments. Stukel said after traveling 130,000 miles around the state in the past five years he is certain that the anti-Chief sentiment is not held by 90 percent of the people he has talked with.

“It’s not that the issues are not taken seriously. They are,” Stukel said. “But there are other very strong voices of equal concern, too.”

The Senate will not meet again this year. Next semester, the senate meets Feb. 15, March 22 and April 19. The meetings begin at 3:10 p.m. in Foellinger Audioto- neum.

Fulbright Scholars announced

By Becky Mabry

S
even members of the UI faculty have been selected 1998-99 Fulbright Schol- ars, which allows them to conduct re- search or lecture in countries and univer- sities around the world.

All Fulbright appointments undergo rig- orous peer review by the Council for International Exchange of Scholars. Some of the UI winners are already abroad; others are planning trips for the 1999 calendar year.

The UI faculty who were selected by the Council:

• Magarita Alario, assistant professor in the department of natural resources and environmental sciences, who is lecturing on “Nature, Science and Democracy: A Global Environmental Perspective” at the University of the Republic, Montevideo, Uruguay, from April through July.

• Marilyn Booth, independent scholar at the Center for African Studies, who is doing research on “The Man Question: Male Authorship, Masculine Identities, and the Woman Question in Egypt, 1880- 1949,” at Cairo University through June.

• Kenneth Cuno, associate professor of history, who is doing research in Cairo through May on family and property in 19th-century rural Egypt.

• George McConkie, professor of educa- tional psychology and of psychology, and the Beckham Lecturer, who is doing research on the perceptual process of reading Chinese. He will be at the National Yang Ming University, Taipei.

Fulbright award is given by the U.S. Information Agency. The purpose of the awards is to provide opportunities for American scholars, artists and professionals to teach and conduct research in countries and universities around the world. Since the program started in 1946, more than 35,000 American scholars have been awarded Fulbright grants.

The UI winners are:

• Mary Ann Smith, professor and as- sociate head of the department of natural resources and environmental sciences, who will lecture and conduct research at the New Zealand Institute for Crop and Food Research, Palmerston North, New Zealand, through July.

• Clark McPhail, professor of sociol- ogy, who will do research from April through July on the collective actions and interactions of demonstrators and police in London and Washington, D.C. He will be at the University of Reading in England.

• Wayne Pitard, associate professor in the program for the study of religion, who will be in Aleppo, Syria, from Feb- ruary through July to do research on “Vigilante Tablets, Digital Edition: Col- lation of the Texts in the National Mu- seum of Aleppo.”

• Susan Hartter, assistant professor in the department of English, who will be working on the study of women and gender serious consideration.

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Beth Reutter is a teaching associate in the department of food science and human nutrition. She teaches courses on the hospitality industry, including introduction to hospitality, purchasing for hospitality, food service sanitation certification and applied hospitality management. She recently received the first Outstanding Adviser Award for her service sanitation certification and applied hospitality management. She has been with the UI since 1990.

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How did you become a teacher on the hospitality industry?

After college I taught high school home economics for eight years. The last six of those years I taught home economics-related occupations in an area vocational center. My students went to school mornings, with me teaching one of their classes that covered work issues. They then spent their afternoons working in local food-service settings, mostly sit-down and fast-food restaurants. My job also required me to be vocationally certified, meaning I had to have 2,000 work hours in the industry. I have experience in restaurants, equipment sales, lodging and institutional food service. From there I accepted a teaching position in the hospitality program at Eastern Illinois University, then joined the program at the UI. Oddly enough, for all my elective hours in my bachelor’s program I took clothing courses and I’ve yet to teach a single clothing course in my career!

You also have taught etiquette classes to groups at the UI and off campus. Where did you get the experience to teach this class?

My first exposure was having to live in a ‘home management’ house as a part of my bachelor’s degree in home economics education. For nine weeks we lived under the watchful eye of our live-in instructor. We had to put china and silver on the table, two of us sat in host positions at the table and one of us served the courses. We also had to invite faculty members to join us twice a week. Believe me, after that we were all inclined to spend the rest of our lives eating with elbows on the table – just in defiance.

Then, here at the UI, I taught food management for seven years and within that had a unit on table service and etiquette. Then one day a student asked if I’d do something for his fraternity and that’s when I went ‘public.’

Is learning etiquette really that important?

Sure. Some people don’t realize, for example, that when they are taken ‘public’ – Nancy Koeneman

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New sexual harassment policy expected next month

By Becky Kamb

Sexual harassment is a topic that can ignite people’s flashpoint no matter where they stand on the issue.

And this past year, with talk about trysts between a White House intern and her powerful boss in the background, UI officials grappled with similar issues, including concern about consent regarding sexual relationships between faculty members and students.

Now after more than two years of study by a specially appointed task force, and after receiving scores of comments and concerns from individuals and organizations, the deliberation and information-gathering is done.

Next month, Chancellor Michael Aiken is expected to issue the UI’s new sexual harassment policy.

Efforts to improve the UI’s policy on sexual harassment began with a 16-member task force that issued its findings in a report last March. Since then, the chancellor has modified the policy in response to comments and concerns from a variety of campus individuals and organizations, ranging from committees of the Urbana-Champaign Senate to the chancellor’s committee on the status of women.

Primarily, the new policy provides a clear definition of sexual harassment; it calls for an educational program to raise awareness and sensitivity among all employees and students; and lastly, it calls for an ethical tener to be put in the academic staff handbook that clearly states that teachers should not participate in institutional or educational decisions affecting any student with whom they have had a sexual relationship.

It’s an improvement over the old policy, said C.K. Gunsalus, associate provost, who served on the Sexual Harassment Task Force.

The new policy represents the best efforts of a significant number of well-informed campus constituencies to come to grips with a complex set of issues, according to the chancellor.

It’s that part about consenting sexual relationships, university officials concede, that has pushed the most hot buttons among students on campus. The Sexual Harassment Task Force’s recommendation contained language that prohibited sexual relationships between students and faculty members, teaching assistants and all others who are in a capacity to instruct students.

Critics called it intrusive meddling into private lives and questioned how faculty-student relationships could be proved or disproved.

The Urbana-Champaign Senate’s Faculty Advisory Committee opposed it, perceiving it to be a punitive ‘one-strike, you’re out’ policy. Members of the FAC said it was too extreme and unfair.

We do feel that a faculty member does have a responsibility if one of these students relationships evolves to get himself or herself in the situation – in terms of having an impact on the students’ education and career,” said Ronald Peters, chair of the Faculty Advisory Committee. “But to say there should be zero tolerance and that after one strike, you’re out, is just too severe, and we took objection to that.

As a compromise, the chancellor is proposing the issue be better addressed in an ethical statement about faculty responsibilities in the academic staff handbook, rather than be included in the university’s sexual harassment policy.

The policy, called “Responsible Professional Conduct: Guidelines for Teaching, Research and Service,” has been endorsed by the Senate and the proposed revisions will go to the Senate for discussion and action as well.

Another issue that drew debate concerns who will actually hear the first complaints of sexual harassment. In the past, there has been a small number of people assigned to receive sexual harassment complaints.

But the proposed new policy calls for “distributing” to a diverse pool of people to receive the sexual harassment complaints, according to Gunsalus. These “intake people,” as they are called in the policy, would be available in many locations and departments.

We’ve seen a general philosophy in many of our grievance procedures that says concerns and disputes are best resolved at the lowest possible level, closest to the people involved,” Gunsalus said.

These intake people would be trained and offered continual support in how to deal with the complaints, she said. If an acceptable resolution were not reached at the intake level, she said, a thorough impartial investigation will be conducted by a trained investigator.

“We are going to train them,” Gunsalus said. “By being decentralized, we give well-meaning people the tools and the chance to do it right. Let’s not assume everybody is the bad guy. Yes, we know these are very serious issues. But we’ll train the intake people and when there’s a problem they can’t handle, they will know to pass it along to those who can handle it.”

Steps to implement the new policy are in motion, Gunsalus said. Meetings are being held to design training programs for the intake volunteers. And deans across campus are nominating people to serve as intake people in their departments.

She is confident that the chancellor’s proposed new sexual harassment policy represents a wide range of concerns about sexual harassment on campus.

“Aside from that major issue of contention about having decentralized intake people, my sense is that most of the comments have been reconciled in a way that most people are comfortable with. I believe people are comfortable with the procedure, and it’s clearly a huge advance on our old procedure,”

— C.K. Gunsalus

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— C.K. Gunsalus
Measurements of protein surface verify electrostatics model

By James E. Kloeppel

Using a surface-force apparatus, UI researchers have measured the electrostatic properties of a protein surface at the molecular level. Their results provide the first direct comparison between localized measurements and theoretical predictions.

“We obtained direct measurements of the pH-dependent electrostatic charge density of a single binding face of the protein streptavidin,” said Deborah Leckband, a UI professor of chemical engineering. “Our measurements show excellent agreement with values predicted from theory, thus verifying the accuracy of our measurement technique.”

Identifying the electrostatic properties of a protein surface is useful for interpreting biochemical data and for obtaining a better mechanistic understanding of the forces that govern a protein’s behavior. Many researchers believe, for example, that complementary charge distributions can generate steering torques that act like tiny tractor beams for example, that complementary charge distributions can face is useful for interpreting biochemical data and for thus verifying the accuracy of our measurement technique.”

Leckband and her research team first prepared homogeneously spaced layers of streptavidin by anchoring the protein to a supported lipid bilayer. Using a surface-force apparatus, they then measured directly the electrostatic surface potential of the protein monolayer at a variety of pH levels. They were then able to isolate the point of zero charge for the binding face of the protein. Importantly, the measured value for the exposed protein surface differed from the point of zero charge for the net protein.

“Our measurements show excellent agreement with values predicted from theory, thus verifying the accuracy of our measurement technique.”

— Deborah Leckband
Method may be key in combating diarrhea in animals, children

By Jim Barlow

Scientists studying a rotavirus strain that causes severe diarrhea in young children and neonatal pigs have isolated the virus’ receptors - where it binds - on gastrointestinal cells and are beginning to test a synthetic mimic, which, when added to food, would bind to this soluble receptor and pass right on through the intestinal tract and not bind to the host cell. We think this could be a viable alternative - or an effective addition - to a vaccine that targets the virus.

Rotavirus diarrhea is a worldwide killer of children, accounting for an estimated 870,000 deaths a year, according to the World Health Organization. While a vaccine that targets the virus went on the market this year, additional firepower is needed to combat the disease: The vaccine proved 92 percent effective in U.S. clinical trials, but had only a 60 percent success rate elsewhere. In animals, rotavirus-induced diarrhea kills an estimated 60 percent of its victims.

A team of UI researchers reported the identification of the receptor - a ganglioside with a simple three-sugar sequence - in the November issue of the Journal of Virology. Co-authors of the research, which was funded by the U.S. Department of Agriculture - were Kuhlenschmidt and his departmental colleagues Theresa B. Kahleschtschmidt, Howard B. Gelber and former doctoral student Mark D. Rolsma, now a professor at Auburn University.

Speaking at the annual International Rashmore Conference on Mechanisms in the Pathogenesis of Enteric Diseases, Sept. 30-Oct. 3, in Rapid City, S.D., Theresa Kahleschtschmidt reported preliminary, unpublished data showing that the same receptor is active in human Protect from disease, but not necessarily in infection," she said. "In this way, the immune system would benefit from a little bit of infection."
Interdisciplinary Jewish studies program growing rapidly

By Andrea Lynn

University academic programs typically build slowly, one steady step at a time. The Jewish studies program at the UI started build slowly, one steady step at a time. The Jewish studies program at the UI started its second year with enthusiasm, and is growing rapidly.

The Drobny Interdisciplinary Program, named for the Drobny family of Chicago, is the other new pillar in the UI campus’s repertoire. Yiddish 102, 103 and 104 will be added over the next three semesters. Come spring, Schwarz will add a course on Yiddish literature, and next fall, he will offer classic Yiddish fiction. He also plans to teach Yiddish film, poetry and drama and modern Yiddish autobiography - his research specialty.

Modern Yiddish autobiography "focuses on the collective and the collective experience," Schwarz said, and "is distinguished as a genre by the author’s reluctance to expose the self."

With the gift, Illinois is pushing to become "one of the major centers of Judaica and Jewish Studies on the continent," Shapiro said.

Shapiro said part of what’s fueling Jewish studies nationwide, in addition to generous gifts such as the Drobny’s, is "an intense interest by Jews and others in the Jewish experience as another paradigm of how minorities function, how diasporas work."

Jewish Studies Workshop begins Jan. 28

Beginning Jan. 28, a Jewish Studies Workshop will be held every other Thursday from 4:30 to 6 p.m. in 107 English. The primary purpose of the workshop will be to bring together faculty members and students in an ongoing interdisciplinary dialogue. Participants are encouraged to discuss ongoing projects that may offer opportunities for new directions in Jewish studies. At each meeting, a scholar will discuss a paper. Scheduled speakers for the spring semester are:

- Jan. 28: Sascha Goluboff, anthropology, "Jews in Contemporary Moscow."
- Feb. 11: Shelley Wright, German, "The Image of Jews in Scandinavian Film."
- Feb. 25: Beth Hawkins, comparative literature, topic to be announced.
- March 11: Matti Bunzel, anthropology, "Queer Theory and Jewish Studies."

- April 6: Dmitri Tarratovskiy, history, "Jews of Macedonia."
- April 15: Dina Katz, art history, "Jews in the 20th Century in Italian Renaissance Art."
- May 6: Jan Schwarz, German, "Jewish Autobiography Studies."

A lot of scientists have identified specific molecules that neurons use for interpreting traffic signals that guide them in their initial development.

When we put normal integrin proteins back into the brains of developing knockout flies [those genetically engineered without integrin], then the nervous system, almost like wildfire, was rescued and developed normally, despite the fact that other tissues down the line were still lacking integrin," neuroscientist Akira Chiba, a professor of cell and structural biology and affiliate of the UI Beckman Institute for Advanced Science and Technology, said.

The findings were reported in the Oct. 1 issue of the Journal of Neuroscience by Chiba and Bao Huang, a doctoral student in cell and structural biology. The research, which involved the use of immunocytochemistry - the study of cells using immunologic methods such as fluorescent antibodies - was funded by the National Institutes of Health and the National Science Foundation.

Chiba and Huang focused on individual linking units, or neurons, and the genetic activity that tells the early developing neuron what axon to use and where to go.

"Our lab is interested in the genetic programs for brain development, especially making the connection that is encoded in DNA to the brain’s emergence," Chiba said.

"The axon is capable of communicating with the outside world," Chiba said. "It can collect information about its microenvironment. But the axon also has to interpret its cue and correctly activate certain molecular interpreters that will lead to local molecular reorganization, especially the cytoskeletal system. Every movement of the axon requires reorganization of the cytoskeleton."

In essence, Chiba said, it appears that specific molecules of integrin are vital to the initial wiring of the brain. "The axon will continue to grow without integrin, but it fails to interpret the cues that tell it when to stop or turn in a certain direction. It grows without direction.

A fly has simple eyes, a brain without an interpreter. The flies’ guidance system is without an integrin, linking units, axons misfire and route randomly. A fly with similar but less complex technology that grows without direction.

"We propose that integrin is one of the most, if not the most, key molecules that neurons use for interpreting traffic signals that guide them in their initial development." - Akira Chiba
Noncredit courses run gamut from A(lerton Park) to Z(en)

By Craig Chamberlain

Mem bers of the community will have opportunities during the fall semester to begin or continue their education. A series of three-week courses starting March 3, a week course on the rich diversity of life in the park’s 1,500 acres of forest, prairie and landscaped gardens, will be offered. The courses start on Saturdays starting March 1 for covering children ages 0 to 5, starting March 22 for ages 5-10, and starting April 5 for the adolescent years. Among other topics on the list are Chinese medicine, the art of fundraising, foreign languages, beginning piano or photography, computer imaging, Zen teachings and practice, and classic British novels on film and television.

Sponsored by the UI’s Office of Continuing Education, the spring-semester courses are presented in a noncompetitive, informal atmosphere. There are no exams or grades. Instructors are selected primarily from the university faculty.

The courses start at various times during the semester, the first on Jan. 19. Most meet once a week on a weeknight and Saturday, for an average of eight to 10 weeks, but there also are shorter courses and several that meet on Saturdays.

Early enrollment is encouraged because some classes may fill quickly. Minimum enrollment age is 18. Fees range between $39 and $200. Discounts are available for some courses to retirees at least 62 years old.

Among the courses being offered:

• “Fate of the 20th Century,” an eight-week lecture/discussion series based on film, class discussions and a book of photos and essays; Thursday evenings starting Feb. 22.

• “Beginning Piano for Adults,” Parts I and II; 12-week courses on Wednesdays and Thursday evenings, respectively, each starting the week of Feb. 1.

• “Computer Imaging,” an eight-week workshop for artists on the use of personal computers and image-making software; Monday evenings starting Feb. 8.

• “Introduction to Photography,” an eight-week course on Saturdays starting Jan. 30.

• An introductory course in German, as well as Italian and Spanish courses; all 10-week courses on weeknights, the first starting Jan. 25.

Also available on no set schedule are several online computer courses — dealing with Web publishing and JavaScript. Also available on no set schedule are several online computer courses — dealing with Web publishing and JavaScript.

Dear Colleagues:

Early in the fall semester, I invited members of the campus community to join together as partners to build a strong community. I am pleased to say that the spirit of giving has been alive on campus throughout the fall semester as thousands of faculty and staff members contributed to the annual Campus Charitable Fund Drive. Preliminary results show that these generous donors have pledged more than $858,000 to hundreds of charitable agencies, surpassing our ambitious goal by almost $100,000! I am quite proud to be a part of such a caring community. These funds will help build strong families, alleviate suffering from disease, provide opportunities for economic security, and educate children and youth. I would like to thank everyone who has shown their commitment to our community and people in need all over the world by serving as volunteers in the fund drive and by donating so generously.

Sincerely,

Michael Aiken
Chancellor
Evidence appears strong to bolster concept of co-evolution

By Jim Barlow

As insects always just peest, or do they play a co-evolutionary role with the plants they eat? According to a chemical analysis of parsnip webworms and wild parsnips in the Midwest, pests and plants can and do adjust to each other to survive.

The idea of co-evolution is not new, but it is far from universally accepted. In 1964, Paul R. Ehrlich, now president of Stanford University’s Center for Conservation Biology, and Peter H. Raven, now director of the Missouri Botanical Garden and botany professor at Washington University in St. Louis, founded the study of co-evolution. They defined it as the process of reciprocal evolutionary change in interacting species.

They noted that plants produce chemicals that are toxic to insects, and that insects produce mechanisms to detoxify many plant defenses. However, while most scientists accept the notion that insects must adapt to their host plants, some have debated whether plants tailor their toxins specifically against their host plants, some have debated whether plants tailor their toxins specifically against their host plants.

With the help of museum specimens of parsnip plants, including some that predate the webworms’ post-1900 entry into the Midwest, UI entomologists May R. Berenbaum and Arthur R. Zangerl say they have strong evidence for both sides of the adaptation scenario. They published their findings in the Nov. 10 issue of the Proceedings of the National Academy of Sciences.

Today’s webworms and parsnips in

(See Co-evolution, page 10)
Christopher J. Bardeen, professor of chemistry, has been named a Camille and Henry Dreyfus New Faculty Award for 1998. The award is designed to provide external support to young faculty members no later than the beginning of their first full-time academic appointment.

Gerald Bell, professor of kinesiology and rehabilitation-education services, received the 1998 Sayers "Bud" Miller Athletic Award. He is an advisor to the National Athletic Trainers Association. The award recognizes individuals who exemplify excellence in the field of athletic training education. Bell is the academic program director of the UI's undergraduate and graduate athletic training programs.

The American Dairy Science Association (ADA) has selected James K. Drackley, professor of animal science, with the 1998 ADSA Foundation Scholar Award in the Promotion of University Teaching. Drackley was honored for his demonstrated excellence in research focusing on critical issues facing the dairy industry. His research involves contributions in the areas of lipid metabolism in transition dairy cows, digestibility of plant cell walls, adequacy of supplemental fats and calcium nutrition.

Laura H. Greene, professor of physics, received the L. ozone Award in Materials Research from the U.S. Department of Energy. Greene is being recognized for her research in fabrication, measurement and understanding of the physics of a wide variety of novel materials. Her work aids in understanding the mechanisms of high-temperature superconductors and will help develop their use for applications, such as high-speed electronics for improved computers and communications.

The award, established in 1959, is given in six categories for outstanding contributions in the development, use or control of nuclear energy. The award consists of a citation, gold medal and $15,000.

Robert R. Haber, professor of biochemistry, delivered a plenary lecture at the 25th Japanese Nucleic Acids Symposium in Tokyo and a seminar at the University of California, San Diego. "The new world in DNA Conformation: A Deoxyribonucleoside Analogue and Molecular Mimicry Simulations," was written by Jason Rockhill, a medical scholar and biochemistry graduate student; Dorina Kosztin, chemistry graduate student; Klaus Schulten, professor of physics and chemistry; and Gunpport. Gunpport also presented seminars at the Medical Institute of the University of Tokyo and at Okayama University. The seminars described work from Gunpport's laboratory on restriction/modification enzymes that was performed by graduate students Sandy Szegedi, Zhifang Liu and Chengrong Cao.

Robert R. Haber, professor of theoretical and applied mechanics, is the principal investigator in a new UI Center for Process Simulation and Design (CPSD). The National Science Foundation and the Defense Advanced Research Projects Agency have committed $2.2 million over the next three years to fund the center, housed in the UI College of Engineering, National Science Foundation and Engineering Program. The funding is part of a program called Optimized Portables Algorithms and Application Libraries. Key to the project is its multidisciplinary nature; 11 UI mathematicians, computer scientists and engineers will collaborate.

Jovelyn Henderson Loh, professor of art and design, has been appointed a founder of the UI Center for the Arts. Loh's work on the creation of "Alcohol 101," a poster series, will be used for the study of cell-wall synthesis in virulent fungal pathogens and the identification of new targets for antifungal drugs. Van der Donk was one of six U.S. scientists to receive a three-year, $210,000 New Investigators award in Pharmacological or Toxicological Sciences. His grant is for his antibiotics research, specifically from Vancomycin. Kessler, a leader in the field of ribosomally synthesized peptide anti-bacterial agents for which he is studying the mechanism of biosynthesis.

The UI's Dads Association presented Certificate of Merit Awards to several outstanding faculty and staff members. Bell was selected for outstanding service to the university in the area of Extension Education. Greene is being recognized for her research in fabrication, measurement and understanding of the physics of a wide variety of novel materials. Her work aids in understanding the mechanisms of high-temperature superconductors and will help develop their use for applications, such as high-speed electronics for improved computers and communications.

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### The Office of Academic Human Resources, Suite 420, 705 S. Wright St., maintains the listings for faculty and academic professional positions. More information may be obtained from the person Webster University, Department of English, 1225 N. Old Water Tower Rd., St. Louis, MO 63130, 314-935-5000, ext. 1225. Assistant or associate professor. PhD in linguistics, with significant experience in one or more of the following: second language acquisition in one or more of the following: Spanish, French, German, or Italian. Excellent written and oral communication skills. Knowledge of and experience with landscape architecture and urban planning. Strong research background in an area related to urban design or planning. Minimum of three years of teaching experience at the college level. Must have expertise in using state-of-the-art computer software and familiarity with Microsoft Windows, Excel, Access, PowerPoint, Photoshop, and other software applications. Available immediately. Contact: Associate Professor of Landscape Architecture, 333-5690. Closing date: Jan. 15.

### Assistant Vice President For Business and Finance, Office of the Assistant director of business affairs. Bachelor’s degree preferably in accounting, business administration or related field and a minimum of three years’ experience in US administration or equivalent experience required. Available immediately. Contact: Terri Palmquist, 333-8297. x:palmquist@uiuc.edu Closing date: Jan. 6.

### Beckman Institute, Senior research programmer (network and computer security). Bachelor’s degree and good understanding of operating systems, especially UNIX and Windows NT required. Should have general knowledge of network services; 4.3 BSD and SUN Open Network Computing. Available immediately. Contact: Kate Wootan, 244-8375. k-wootan@uiuc.edu Closing date: Dec. 31.

### Capital Programs, University Office for. Assistant director (technical/planning). Bachelor’s degree in architecture, construction management or related field and at least one to three years of relevant experience required. Should have proficiency in the use of AutoCAD or CAD compatible systems and familiarity with Microsoft Windows, Word, Excel, Access, PowerPoint, Photoshop, and other software applications. Available immediately. Contact: John Edelson, 333-5690. Closing date: Jan. 4.

### Housing Division, Associate director (residential life). Bachelor’s in mechanical engineering or a related field and a minimum of five years’ experience as a plant engineer preferably at a college or university, knowledge in building construction, including mechanical and electrical systems, knowledge of maintenance of buildings, equipment and grounds, engineering principles, building codes, safety requirements, budgetary processes and ADA requirements required. Available: June 1. Contact: John Collins, 333-7283. Closing date: Feb. 15.

### Information Management, Office for. Research programmer. Master’s degree in business administration, computer science or engineering with at least 3 years’ experience in teaching software packages and developing user interface tools preferred. Knowledge of First Class, groupsware in general and Microsoft Office Professional required. Available: Jan. 4. Contact: Zvi Ritz, 333-3678, z-ritz@cba.uiuc.edu Closing date: Dec. 30.

### Intercollegiate Athletics, Division of. Assistant varsity coach (football). Bachelor’s degree and at least one year of collegiate or professional football coaching experience required; division I preferred. Available immediately. Contact: Ron Turner, 333-3678. Closing date: Dec. 18.

### Natural Resources and Environmental Sciences, Extension specialist. Master’s or higher degree in horticulture; experience with or thorough knowledge of the Master Gardener program and Cooperative Extension agency; extensive knowledge and experience with landscape horticulture and gardening practices required. Must reside within or nearby the campus community and be willing to travel throughout Illinois. Available: Feb. 1. Contact: Laura Schill, 244-1484. Closing date: Dec. 31.


### Publications and Marketing, Office of. Associate director. Bachelor’s degree in English, journalism, communications, graphic design or related fields with five years’ comprehensive experience in the publications field required. Must have related management/supervisory experience in the publications field. Available: Feb. 15. Contact: Don Kenjog, 333-0200. Closing date: Jan. 6.


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### Book examines how gender symbolism permeates life in the United States

By Andrea Lynn

One of the hottest new academic fields can now “go by the book” – the textbook, that is. The first documentary history of gender in the United States has hit the bookstores.

This textbook of unusual, often poignant readings and images is a departure from recent textbooks because it covers everything from manhood as well as womanhood, gay men, lesbians and transsexuals. It also attempts “to capture the meanings of all of these categories under the rubric of gender,” says Sonya Michel, co-editor of “Engendering America: A Documentary History, 1665 to the Present” (McGraw-Hill).

“We have found gendered constructions and language everywhere – even in the most unlikely places,” said Michel, who is director of the Women’s Studies Program at the UI and a professor of American history. Robyn Muncy, a University of Maryland history professor, is co-editor.

According to Michel, “gendered representations” can be detected in the literature of the most mainstream of disciplines – diplomatic and military history, for example – and in the histories of events that have not been considered the turf of one gender, such as the civil rights and anti-war movements.

“They have no genetic variation to be able to metabolize it,” said Berenbaum. “People have a hard time accepting the idea that plant traits represent a response to insect-caused damage. They assume that insects are minor annoyances to plants, like fleas on a dog, rather than major selective forces. We feel our data say that the evolutionary responses are reciprocal between these interacting species. This work also indicates how quickly plants can respond genetically to insect-caused damage.”

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### Co-evolution (Continued from page 8)

Minnesota and in northern and central Illinois have adapted to Webworms feed on the reproductive structures of parsnips, so resistance to the insect is vital to parsnip survival. At each site, levels in the plants of four defensive compounds, called furanocoumarins, match re- markably to the levels of detoxification enzymes in the insects. If 30 percent of the plants have a particular chemical phenotype, then roughly 30 percent of the insects have the phenotype that permits them to live on those plants,” Zangrell said. “You see quite a balancing act. This occurred to a remarkable degree in three of the four populations that we observed.”

In their case, the researchers examined pre-1900 museum specimens kept by the UI Herbarium. They found that the furanocoumarin compound sphenoid – produced in high levels in today’s parsnips – was produced in low quantities or not at all in the museum specimens. It is sphenoid, they found, that the webworms have a hard time metabolizing.

“Their genetic variation to be able to metabolize it,” said Berenbaum. “People have a hard time accepting the idea that plant traits represent a response to insect-caused damage. They assume that insects are minor annoyances to plants, like fleas on a dog, rather than major selective forces. We feel our data say that the evolutionary responses are reciprocal between these interacting species. This work also indicates how quickly plants can respond genetically to insect-caused damage.”

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### The Academic profession

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**brief notes**

**Parenting workshop offered Jan. 23**
A free one-day workshop on parenting will be offered from 9:30 a.m. to 4 p.m. Jan. 23 in Union Rooms A, B and C. “Parenting at High Speed: Survival Skills for Balancing Work, Family and Self Care” will offer practical ways parents can share family responsibilities and maintain their own physical, emotional and social well-being. In addition, the workshop will identify ways that family members can cope, communicate and continue to care for each other; answer questions most commonly asked by parents and children; and detail what assistance is available in Champaign-Urbana for parents and children facing difficult issues.

Faculty and staff members and their spouses may attend the Office of Continuing Education, the Faculty/Staff Assistance Program and the vice chancellor for administration and human resources.

**UI Extension hosts Garden Day Jan. 16**
Garden Day from 8 a.m. to 4 p.m. Jan. 16 at the Clarion Hotel and Convention Center. Participants may choose from workshops on herbs, perennial flowers, landscaping, pruning and more. There will also be a trade show of area retailers. Cost is $20 and advance registration is preferred. Garden Day is sponsored by UI Extension and the College of Agricultural, Consumer and Environmental Sciences. For registration information, contact the UI Champaign County Extension Office, 333-7672; e-mail, champ county extension office@uiuc.edu.

**Holiday, office hours for campus parking**
The Division of Campus Parking and Transportation will be closed Dec. 18 from 11 a.m. to 1 p.m. for its annual holiday luncheon. The office also will close at 5 p.m. Dec. 23 and reopen at 8 a.m. Jan. 4. Beginning Jan. 4, Campus Parking and Transportation office hours will be 8 a.m. to 5 p.m. Monday through Friday. The division will remain open during the lunch hour to serve customers.

**NCSA fellows program announced**
The National Center for Supercomputing Applications invites UI faculty members to apply for the new NCSA/UIUC Faculty Fellows Program. Faculty members involved in projects or activities that would benefit from access to the NCSA computing facilities and staff members are encouraged to apply. The program seeks to extend opportunities in advanced computing and information technology to UI faculty members by providing access to NCSA’s high-performance computers, visualization and virtual reality environments, supporting computation, and opportunities for multidisciplinary collaboration with colleagues at NCSA and throughout the National Computation Science Alliance. Fellowships are available for the summer or fall 1999 semesters or the spring 2000 semester and include up to $30,000 in support.

Applications for the fellowship program, including a project proposal and an abstract, must be received by Feb. 12. A program description and application guidelines are available on the Web at www.ncsa.uiuc.edu/campusrelations/facultyfellow.html.

**O&M offers holiday shutdown tips**
UI’s Division of Operation and Maintenance is requesting that faculty and staff members follow these shutdown tips in preparation for the holiday season. If these guidelines are followed, the potential for damage to facilities from severe weather will be greatly reduced.

- Close and lock all windows and doors; close blinds and close curtains.
- Turn off all unnecessary laboratory services, including gas, air, vacuum and water.
- Turn off time heat fans that are not needed. Consider consolidating chemical storage in fewer hoods.
- Leave all radiation safety and spill kits in proper locations to ensure adequate heating and to avoid freeze damage.

O&M personnel will check all areas Dec. 18 for obvious problems. However, O&M personnel cannot alter operations of fume hood laboratories, chemical lab services since they must pre- sume the use is intentional.

**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 classroom and informal settings and to offer help in interpreting aspects of American culture.

Class activities emphasize discussion of topics determined in part by the participants, but usually include language, social and political and social organization, historical events and figures, current affairs, sports and entertainment, underlying values and ways to improve English. Class trips, holiday parties and outside lectures are arranged. In addition, scholars may give short talks on their fields of research.

The course begins Jan. 20 and meets Mondays and Wednesdays from 2 to 3:30 p.m. in 132 Davenport Hall. Scholars may join anytime during the year.

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

**Moonlight Skate is Dec. 19 and 20**
Relive memories with your friends and families at a moonlight skate at the UI Ice Arena from 7:30 to 10 p.m. Dec. 19 and from 1:30 to 4 p.m. Dec. 20. Lighted trees, hot chocolate, a bonfire, a demonstration by the Precision Skating Team and special lighting effects will mark the event. Families and adults are invited; children must be accompanied by a parent or guardian age 18 or older. Santa Claus will be offering a special visit on both days. The family rate is $12, which includes skate rental. Single rates are $3.50 for adults, $3 for children (children age 5 and younger are free). Skate rental is $1. For further information, contact the Ice Arena at 333-2212.

**Art and Design offers classes**
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 class that begins Jan. 30 and ends with an open house May 12. The registration fee is $65 per student; course offerings vary.

The Studio Spectrum for college-age adults and older is offering two non-credit courses beginning the week of Jan. 25. “Multi-media Drawing” will be offered on Tuesdays; “Multi-media Watercolor” will be offered on Thursdays. 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 Jan. 11 through Jan. 20. Only mail registrations will be accepted. Jan. 11. You may register in person beginning Jan. 12 from 8 a.m. to 4 p.m., with Carol Smith in 142 Art and Design Building.

For further information, registration forms, or required and recommended material lists for both the Studio Spectrum courses, call Smith at 333-1652.

**Second Sunday concert features Bach**
James Scott, flutist and director of the UI School of Music, performs an all-Bach program with UI faculty harpsichordist Charlotte Mattax and other music faculty members at WILL-FM’s Second Sunday Concert on Jan. 10.

The free concert begins at 2 p.m. at the Kranert Art Museum and Kinkead Pavilion and will also be broadcast live on WILL-FM (90.9/101.1 in Champaign-Urbana) with host Brian Mustain.

Performing with Scott and Mattax will be Sherban Lupu, violin; Laureen Laufman, cello; Ollie Watts Davis, soprano; Monica Zerbe, mezzo-soprano; and Ronald Hardouin, bass-baritone. The Bach program will include “Ricercar for Three Voices” and “Trio Sonata” from “The Musical Offering”; six fantasias for flute and harpsichord; and selections of arias from various cantatas.

**Rajmohan Gandhi returns to UI in spring**
The grandson and biographer of the late Mahatma Gandhi will return to the UI for spring semester as a visiting professor in history and political science.

Rajmohan Gandhi’s grandfather was a renowned leader and thinker whose nonviolent principles were instrumental in gaining India’s independence from Britain, and also deeply influenced and inspired Martin Luther King Jr. and Martin Luther King Jr.’s movement.

This spring Gandhi will teach and participate in the political science, government and politics in South Asia as well as a history course on Mahatma Gandhi’s ideas, strategies and relevance. He will give guest lectures or lead discussion groups at the office party; your guest lecturer in the history course “Fate of the 20th Century.”

He has been invited to participate in campus events Jan. 18 honoring Martin Luther King Jr.’s birthday.

Last fall, as Visiting George A. Miller Professor of History, he taught several courses in history and several public lectures and presentations on and off campus.


He has written biographies of two other Indian freedom fighters, Chakravarti Rajagopalachari and Vallabhai Patel, and a study of Hindu-Muslim relations. His research interests include the history and current state of South Asia, Hindu-Muslim and India-Pakistan relationships, and ethnic tensions in general.

Gandhi is research professor in the Centre for Policy Research, New Delhi, and has been associated with several research institutions in the United States.

In 1990-92 he served as a member of the Indian Upper House, and in 1990 he led the Indian delegation to the United Nations Human Rights Commission in Geneva.

More information is available at the Web site of UI’s Program in South Asian and Middle Eastern Studies at www.uiuc.edu/providers/vasw.

**Fund keeps giving throughout the year**
Financial difficulties are always a hardship, but the burden of not being able to make ends meet is magnified during the holiday season.

Faculty and staff members can make a difference and help out colleagues who are facing tough times by donating to the Faculty/Staff Emergency Fund.

Established in 1992, the programs is totally funded by donations from colleagues, friends and family and has dispersed more than $200,000 to more than 200 UI employees since its inception.

Although the annual fund drive is several months away, the holiday season is a good time to show care and concern for fellow employees by contributing to the Faculty/Staff Emergency Fund. Instead of exchanging gifts at the office party, your work group could help an employee pay an overdue utility bill or purchase medication by contributing to the fund.

Contributions of any amount may be made to the fund with checks made payable to UF/FUCF Faculty-Staff Emergency Fund. Donations should be mailed to the UI Foundation, Harker Hall, MC 386. If you or someone you know might be eligible for assistance from the fund, contact the Faculty and Staff Assistance Program at 244-5312.
Jan. 17 - Jan. 24

calendar of events

January colloquia


Jan. 27 Sunday 7:30 p.m. Assembly Hall. Admission charge.

Jan. 28 Monday 7:30 p.m. Krannert Center. Admission charge.

Jan. 29 Tuesday 7:30 p.m. Assembly Hall. Admission charge.

Jan. 30 Wednesday 7:30 p.m. Krannert Center. Admission charge.

Jan. 31 Thursday 7:30 p.m. Krannert Center. Admission charge.

Feb. 1 Friday 7:30 p.m. Krannert Center. Admission charge.

Feb. 2 Saturday 7:30 p.m. Krannert Center. Admission charge.

Feb. 3 Sunday 7:30 p.m. Krannert Center. Admission charge.

Feb. 4 Monday 7:30 p.m. Assembly Hall. Admission charge.

Feb. 5 Tuesday 7:30 p.m. Krannert Center. Admission charge.

Admission charge for all performances at the Krannert Center for the Performing Arts. To reserve, call 333-2212. See our Web site (www.kcfa.uiuc.edu) for last minute cancellation notices. The Krannert Center for the Performing Arts is located in 2001. Information available online.

The Russian National Ballet – in its first visit to the United States – will offer two classics in two performances at Krannert Center for the Performing Arts. Under the artistic direction of Sergei Radchenko, the 50-member company will perform "Swan Lake" at 8 p.m. Jan. 19 and "Sleeping Beauty" at 8 p.m. Jan. 20. Both performances are in the Tyvon Festival Theater. Although the performances are sold out, contact the Krannert Center ticket office for any late-release tickets.

calendar of events


Dec. 20 Sunday Wrestling, UI vs. Valparaiso. 7 p.m. Assembly Hall. Admission charge.

Jan. 3 Sunday Wrestling, UI vs. Indiana University. 2 p.m. Assembly Hall. Admission charge.

Jan. 5 Tuesday Women's Basketball, UI vs. University of Michigan. 7 p.m. Assembly Hall. Admission charge.

Jan. 6 Wednesday Men's Basketball, UI vs. Northwestern. 7:30 p.m. Assembly Hall. Admission charge.

Jan. 8 Friday Women's Volleyball, UI vs. Purdue. 2 p.m. Assembly Hall. Admission charge.

Jan. 9 Saturday Men's Basketball, UI vs. Northwestern. 1:30 p.m. Assembly Hall. Admission charge.

Jan. 12 Monday Women's Basketball, UI vs. Penn State. 7 p.m. Assembly Hall. Admission charge.

Jan. 14 Wednesday Women's Basketball, UI vs. University of Maryland. 7 p.m. Assembly Hall. Admission charge.

Jan. 16 Friday Women's Basketball, UI vs. University of Mississippi. 7 p.m. Assembly Hall. Admission charge.

Jan. 17 Saturday Women's Basketball, UI vs. University of Virginia. 7 p.m. Assembly Hall. Admission charge.

Jan. 18 Sunday Women's Basketball, UI vs. University of Michigan. 7 p.m. Assembly Hall. Admission charge.

Jan. 19 Monday Wrestling, UI vs. Penn State. 7 p.m. Assembly Hall. Admission charge.

Jan. 20 Wednesday Men's Basketball, UI vs. University of Virginia. 7 p.m. Assembly Hall. Admission charge.


Jan. 22 Friday 7:30 p.m. Krannert Center. Admission charge.

Jan. 23 Saturday Women's Basketball, UI vs. Northwestern University. 7:30 p.m. Assembly Hall. Admission charge.

Jan. 24 Sunday Women's Basketball, UI vs. Valparaiso University. 7 p.m. Assembly Hall. Admission charge.

Jan. 25 Monday Wrestling, UI vs. Valparaiso. 7 p.m. Assembly Hall. Admission charge.

Jan. 26 Tuesday Women's Basketball, UI vs. University of Wisconsin. 7 p.m. Assembly Hall. Admission charge.

Jan. 27 Wednesday Women's Basketball, UI vs. Valparaiso. 7 p.m. Assembly Hall. Admission charge.

Jan. 28 Thursday Women's Basketball, UI vs. University of Michigan. 7 p.m. Assembly Hall. Admission charge.

Jan. 29 Friday Wrestling, UI vs. Penn State. 7 p.m. Assembly Hall. Admission charge.

Jan. 30 Saturday Men's Basketball, UI vs. Northwestern University. 7:30 p.m. Assembly Hall. Admission charge.

Jan. 31 Sunday Men's Basketball, UI vs. Minnesota. 1:30 p.m. Assembly Hall. Admission charge.