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Record

Nov. 12, 1998

Volume 23 No. 12



Washington University in St. Louis



Celebrating Gen. Colin Powell, former chairman of the U. S. Joint Chiefs of Staff, greets alumnus and former FBI Director William Webster at the Founders Day dinner Saturday, Nov. 7. Powell addressed a crowd of 1,400 at America's Center in downtown St. Louis.

Welcome to Wonderland Innovative drama class brings 'Alice' to life

By LIAM OTTEN

It's not your ordinary laboratory. There is a distinct lack of beakers and not a centrifuge in sight. But make no mistake about it — serious research is under way in Mallinckrodt 100.

"Today, class, we're playing with toys," Jeffery Matthews announced gravely at a recent session. Matthews, an artist in residence in the Performing Arts Department in Arts and Sciences, gestured to the juggling pins and jump ropes, the foam snakes and stuffed monkeys and plastic bric-a-brac that lay scattered about the room. "Let's make some chaos."

Welcome to Drama 321, otherwise known as "Topics in Theatre: Staging 'Alice in Wonderland.'" Over the course of the fall semester, Matthews and his 20-odd students have unleashed a bit of their chaos on the Lewis Carroll classic, creating an original stage version that will debut next spring in Edison Theatre. What makes the production unique, however, is that everything, from researching and writing a script to composing original music and designing sets and costumes, will be completed by the students themselves.

"Whatever it ends up being, it will truly be ours," Matthews noted wryly while waiting for class to begin one recent Thursday morning. So truly, in fact, that one entire session will be spent with a copyright lawyer discussing the legalities of group authorship.

"This is kind of a dream for me," Matthews added as students bearing scripts and musical instruments shuffled in. "It offers

all kinds of great problems for a class to solve. It requires them to make real decisions about every aspect of staging a theatrical work."

Since late August, the students have been immersed not only in the world of "Alice" and "Through the Looking Glass," its companion volume, but in Carroll scholarship and, more broadly, in other children's literature of the period. Though by the end of October they had about 35 pages of material written, it took almost a month of preparation before they were ready to put pen to paper.

The class' first creative assignment was both vague and vital: to conceptualize a central metaphor or motif that would provide a unifying structure for the entire production.

"The students really put themselves out on a limb," Matthews recalled. "It was very heartening. We were all over the map — one student even suggested placing the show on a bombed-out, post-apocalyptic yellow brick road. In the end, though, we settled on the idea of games; that is, every scene will be based on a different game, on musical chairs or charades — whatever fits."

By this time the class had pulled itself into a rough circle, and two students, juniors Brooke Kleinman and Danielle Stein, had passed out copies of their recently completed script for a scene titled "The Caucus Race," which they conceived as a game of ring-around-the-rose. Matthews assigned the half-dozen necessary roles and the actors launched into their first reading.

In many ways, the results were what one would expect of a first reading — awkward pauses, unreliable accents and a herky-jerky, stop-and-go rhythm. Yet things nevertheless seemed promising. Carroll's clever word-play translated well (DORMOUSE: "Mine is a long, sad tail.") and the dialog flowed with a comic briskness. But perhaps most striking was the ruthless editing process that almost instantly erupted. Actors generated and dismissed ideas even as they read, weighing and judging efficiently and with remarkably little ego.

"In a process like this, 99 percent of the ideas that get thrown around get thrown in the trash," said Robert Neblett, a graduate

See **Wonderland**, page 2

'Everybody's campaign'

Staff kicks off fundraising drive Nov. 19

By BETSY ROGERS

Two months to the day after the public kickoff of the \$1 billion Campaign for Washington University, Central Fiscal Unit and school staff will launch their component of the campaign in a festive event from 9:30 to 11 a.m. Nov. 19 in the Athletic Complex.

A continental breakfast will be served and door prizes awarded, including a weekend for two in Chicago.

Chancellor Mark S. Wrighton will speak, along with staff campaign chairs Barbara Feiner, chief financial officer, and John Schael, director of athletics, and three staff members.

"This is everybody's campaign," said Jan Druyvesteyn, alumni and development coordinator for the staff portion of the campaign. "Participation and involvement are the most important aspect."

Feiner, explaining her enthusiasm for the campaign, said: "Washington University is a great place to be employed. The University offers a lot to its employees. It's nice to be affiliated with an organization that's moving forward — and we can help make that happen."

"The participation of the staff in the campaign shows that we

care about this University," she added. "It means a lot when we go out into the community to raise money."

Universities across the country have discovered that internal support for the institution plays a key role in garnering support off campus, among foundations and other donors. The goal of the campaign's staff component is, first and foremost, campuswide involvement. "While we hope you will be as generous as you can," wrote Feiner and Schael in a letter



to staff and administrators, "the success of the staff campaign will not be measured in dollars and cents, but will be determined by the percent of us who participate."

Schael said he agreed to serve as co-chair because he has seen firsthand what capital campaigns mean to the University. The Athletic Complex, he observed, came out of the ALLIANCE FOR WASHINGTON UNIVERSITY campaign of the 1980s. "The Athletic Complex is really a University

See **Campaign**, page 2

John Hoal leads team effort to renew downtown St. Louis

By ANN NICHOLSON

Mayor Clarence Harmon's efforts to revitalize St. Louis are drawing extensively on Washington University expertise, including that of John Hoal, associate professor of architecture and urban design, who sees potential for the city's downtown to be a 24-hour-a-day, vibrant center of cultural, residential, entertainment, retail and business uses.

"Critically important to the

success of downtown is the necessity for high quality design that creates distinctive and compatible places for people to live, work and play," said Hoal, who heads the School of Architecture's Master of Architecture and Urban Design program.

"St. Louis already has done many of the big projects like Union Station, the Kiel Center and the TWA Dome," he observed. "In addition to large-scale catalytic projects, we now need to do some of the small, yet arguably more difficult things to link the assets together and create long-term, self-sustaining economic growth."

Hoal is spearheading an interdisciplinary team of design and development professionals who are working with "Downtown Now!," an initiative Harmon launched to revitalize the city's center. The collaborative 18-month effort brings together a steering committee of representatives from St. Louis 2004, the Downtown St. Louis Partnership, City of St. Louis, Regional Commerce and Growth Association and the

See **Hoal**, page 2

RECORD REPORT

ALCOHOL A Campus Quandary

Nov. 5: A national overview

This issue: A closer look at WU

Nov. 19: Searching for answers

The Record Report on campus alcohol use and abuse continues this week (pages 6 and 7). Joining the conversation begun last week are the voices of:

- An administrator who has dealt with profound tragedy;
- An alcohol-poisoned student;
- The University Police chief on new expectations for compliance;
- The Student Union president on student responsibilities;
- A professor on enforcing the law; and
- A South 40 administrator on renewed education efforts.





Students in "Topics in Theatre: Staging 'Alice in Wonderland'" practice a little chaos. From left: seniors Jaclyn Brodsky and Randy Wallenstein, graduate student Robert Neblett, sophomore Jon Reitzes, junior Andy Crank and sophomore Paul Pagano.

Wonderland

Innovative class brings 'Alice' to life

— from page 1

student in the Performing Arts Department who serves as dramaturg for the class and has written a couple of scenes. "But you'd be surprised at how the remnants of discarded ideas keep creeping back in as community property of sorts. I think everyone in the cast feels that, one way or another, their ideas are being used."

The class took a short break. Four students prepared to rehearse the "Mad Tea Party" while the rest demonstrated their collective mastery of orchestrated chaos. On one side of the room a nonchalant juggler tossed pins while on the other two students managed to keep a ball in the air with ping

pong paddles. A Nerf ball was balanced on a nose; four musicians composed a spontaneous ode to Alice.

Matthews restored order by doing a few turns with the juggler's pins himself — "Not bad," murmured the juggler — and the "Mad Tea Party" commenced.

The scene, by senior Jaclyn Shufeldt and junior Paul Pagano, was based on the game musical chairs and already had achieved a considerable polish. Alice, the Mad Hatter, the sleepy Dormouse and the March Hare chased each other around a table with great silliness, the Hatter asserting suitably absurd propositions with great punditry. The band, meanwhile, accompanied the action with improvised riffs and noises and through it all one began to sense what the final production might look like.

Afterward, Matthews declared himself pleased and, gesturing

with an oversized plastic baseball bat, began issuing rapid-fire suggestions. "That's lovely, guys," he called to the musicians. "Let's just stay focused on the spirit of the scene. And maybe you could try to be choppy in your speech," he said to the Hatter, pounding the table in a quick, emphatic rhythm. "And you," he added, turning to the Dormouse and dropping his head to the table, "try not rising at all, like this." His eyes closed in an exaggerated pantomime of sleep.

The class geared up for another run and then another and by the end of the morning the scene was decidedly, well, madder. It was quicker, tighter, the gestures and dialog more fluent, the whole illogical tableau more internally logical.

"Very nice," Matthews announced. "Very nice. What we've got here is great, it's a lot of fun. But what if..."

And so the research proceeded.

Hoal

Architecture professor works to renew downtown

— from page 1

St. Louis Development Corporation.

A 140-member task force also represents residents, businesses, civic organizations, city officials and other stakeholders who are working together to spur new initiatives downtown. Members of Downtown Now!, which formed in October 1997, are designing a seven- to 10-year plan to rejuvenate the area. Goals range from creating major housing and office development to building a new central plaza and renovating the historic Old Post Office.

Other initiatives would include building day care centers, linking the Old Courthouse and Gateway Arch grounds, establishing pedestrian and biking paths and reinvigorating the retail climate with inviting storefronts, specialty shops and cafés.

Downtown Now! has just completed a series of five public meetings held over the last year in which community members identified priorities. By next spring, Hoal's team plans to have concrete details for specific initiatives and their anticipated costs.

To better chart the city's future, Hoal's team began by examining downtown's distinct districts, land use, transportation systems, parking and open space. The

team, which represents 13 firms from around the country and Canada, also researched other cities to see what leaders are doing to improve their downtowns. The St. Louis project initially is focusing on improvements to Laclede's Landing, Riverside North, Washington Avenue, the Old Post Office Square/Central Business Core and Gateway Mall.

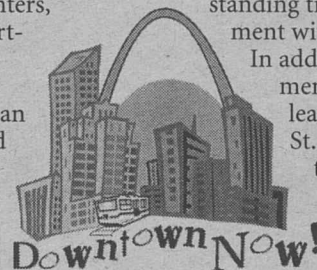
Hoal is a natural for such large-scale, community-based projects. In his previous role as director of urban design for St. Louis City's development office, he led a team in creating a \$200 million master plan for Forest Park. The ongoing plan calls for improvements to the park's natural systems, cultural institutions and other facilities by 2004.

Hoal's efforts mesh with the School of Architecture's long-standing tradition of involvement with community issues.

In addition to faculty members' recent leadership roles with St. Louis 2004, Architecture Dean Cynthia Weese, FAIA, serves on the Downtown Now! task force and a Forest Park

advisory committee. Architecture students have been actively engaged in both the Forest Park and downtown plans through design studios, classes, site visits and internships.

"The students' exposure to these projects," Hoal said, "helps them understand the complexity and excitement of urban design, as well as the necessity for architects and urban designers to become fully engaged with the community."



Campaign

Festive event launches staff fund drive Nov. 19

— from page 1

treasure," he said. "There are so many events that could not have taken place here without it."

The proverb "One generation plants the trees, while another enjoys the shade" sums up Schael's reasons for supporting the campaign. When asked, "What's in it for me?" he replies, "Nothing. Only the future."

The Campaign for Washington University was launched Sept. 19 and will conclude June 30, 2004. Its overarching goal is the University's accelerated ascent through the ranks of the world's premier universities. The staff campaign offers employees an opportunity to be part of the larger effort and seeks to foster a "strong sense of partnership and pride across the University," in Wrighton's words.

"Building a world-class university is a noble endeavor," Wrighton said. "The great research universities of the world educate men and women who become society's leaders. They offer the best chance of contributing to the betterment of our world. That's what this campaign is about, and the staff component offers

employees a part in meeting this exciting challenge."

At the public kickoff in September, the University announced that \$541 million had already been raised. Among employees who have already pledged, enthusiasm has run very high, according to Druyvesteyn. All members of the University Council, comprised of the University's deans and vice chancellors, for example, have pledged to the campaign, for a total of \$1 million.

A gift of \$500 or more, pledged over the full campaign period, will merit a "named brick" to be placed with others in a still-to-be-designated section of a campus walkway or courtyard. Staff members may name as many as four bricks, one for each \$500 donation.

Gifts may be made in a variety of ways — one-time contributions, multi-year pledges, payroll deduction, gifts of securities or retirement funds, even matching corporate gifts from spouses' employers. The Office of Planned Giving can help with other kinds of gifts, including personal property, real estate or a life insurance policy. Donors may specify projects and programs they want to support.

Staff in the schools will take part in the campaign through the schools where they work, CFU employees through their departments.

News Briefs

Flex tax savings

Now is the time to enroll or re-enroll in the Health Care and Child Care Flex Spending Plans for 1999. If you are currently enrolled in these plans for 1998, you must re-enroll for next year; they are not automatically renewed.

The annual maximum for the Health Care Spending Plan has increased from \$2,400 to \$3,000, providing potential for higher tax savings. Flex plans offer tax savings by permitting pre-tax budgeting for out-of-pocket health and child care expenses. The Office of Human Resources has sent material about the plans and enrollment forms to all eligible faculty and staff. Those interested must respond by Nov. 30. For more information, call 935-5907.

Cyber Life

Student Life, the undergraduate newspaper on campus, has launched an online edition with the complete content of its print counterpart. Students, alumni, faculty, staff and friends of the University can now read the paper, contact the staff and search the archives online. Users can sign up for free e-mail briefs, a summary of the top stories of the day delivered directly to the subscriber's e-mailbox. Check it out at <http://www.studlife.com>.



Campus quiz: This seal adorns which campus building? (Clue: this is tricky. Answer below.)

Relatively speaking

It is the University's policy to discourage employment of near relatives in the same department. Near relatives include spouse, parent or child, brother or sister, first cousin, uncle or aunt, nephew or niece and in-laws of the same degree. This policy does not rule out employment of relatives in other departments, and in fact, the Office of Human Resources encourages referrals of friends and relatives for positions elsewhere at the University (from the Hilltop Campus "Summary of Policies and Procedures" staff handbook).

Assessing essays

A new software program evaluates and grades students' compositions before their professors even get their hands on them, accord-

ing to The Washington Post. The Intelligent Essay Assessor will be available commercially in a few months. It is one of the first major efforts to evaluate the content of a student's writing, rather than just its spelling and grammar. Designers Peter Folz of New Mexico University and Thomas Landauer of the University of Colorado say the program is intended to give students feedback on their initial drafts. Educators at all levels have expressed an interest in the software, the Post said.

Did you know?

The University's students have received national recognition in fields ranging from genetic engineering to fashion design. Students have won graduate study awards including the Rhodes, Fulbright, Marshall and Truman scholarships and Goldwater, Mellon, Putnam, National Science Foundation and National Graduate fellowships, as well as the Howard Hughes Fellowship for undergraduate research.

Answer: This handsome ornamentation is on the south wall of Brown Hall — but Goldfarb Hall, built last spring, partially blocks it from view.

"News Briefs" includes short items on a wide range of subjects, typically information about resources, benefits and opportunities available to faculty and staff. Readers are invited to submit briefs, which will be used as space permits, to Betsy Rogers, Campus Box 1070, or by e-mail, Betsy_Rogers@aismail.wustl.edu.

Record

Washington University community news

News & Comments

(314) 935-6603
Campus Box 1070
betsy_rogers@aismail.wustl.edu

Medical News

(314) 286-0111
Campus Box 8508
duke@medicine.wustl.edu

Editor Betsy Rogers
Executive Director Judith Jasper
Executive Editor Susan Killenberg
Medical News Editor Diane Duke Williams
Assistant Editor David Moessner
Acting Assistant Editor Deborah Parker
Production Galen Harrison

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Medical Campus employees Payroll Office, Washington University, Campus Box 8017, 660 S. Euclid Ave., St. Louis, MO 63110.

Medical School Update

Shortage of cells

Inherited depression linked to deficit in region of brain's cortex

By LINDA SAGE

People who suffer from depression have fewer cells in a certain part of the brain, a new study finds. This loss occurs only when the disorder runs in the family, suggesting that inherited depression may differ from other types of depression.

"One of the things we hope may result from our findings is the recognition that there are important differences between patients with a familial history of depression and those without," said Joseph L. Price, Ph.D., who headed the research. "There might also be differences in appropriate drug therapies."

Price is a professor of anatomy and neurobiology at the School of Medicine. His graduate student Dost Öngür is lead author of a paper in the Oct. 27 issue of the Proceedings of the National Academy of Sciences.

The second author, Wayne C. Drevets, M.D., reported in 1997 that positron emission tomography images of people with familial depression showed less activity in a thumbnail-sized area of the brain behind the mid-forehead. This region, the subgenual prefrontal cortex, also was smaller than in healthy people, magnetic resonance images revealed.

"Dost and I wanted to identify the cellular basis for this difference in size," Price said.

Using samples from the Harvard Brain Tissue Resource Center, Öngür compared the number of cells in the subgenual prefrontal cortex of mentally healthy people with that of people who had suffered from unipolar depression or bipolar disorder, which involves highs as well as lows.

He used a technique called stereology, which samples several parts of a specimen to accurately estimate the total number of cells. "It's the same idea as when you conduct an opinion poll by talking to a few thousand representative people," he said. "In the case of cells, it minimizes the danger of double counting and other problems people have had in the past."

The researchers were expecting to see a discrepancy in the number of neurons. But to their surprise, there was instead a big difference in the number of cells called glia. These housekeeping cells recycle ions and chemicals that come out of neurons. They also respond to the stress hormone cortisol and to serotonin, which is depleted in depression.

Using a larger number of

"One of the things we hope may result from our findings is the recognition that there are important differences between patients with a familial history of depression and those without."

JOSEPH PRICE

tissue samples from the Stanley Foundation in Bethesda, Md., Öngür and Price were able to confirm this result and show that the decreased number of glia is restricted to patients with a family history of depression.

Without knowing Öngür's results, Drevets had read the medical reports of the donors, deciding which cases were familial and which were not. People classified with familial depression had a first degree relative — a parent, sibling or child — who also had been depressed. Drevets, a psychiatrist, now is an associate professor of psychiatry and radiology at the University of Pittsburgh School of Medicine. He conducted his original study at Washington University.

"It turned out that only the samples from people with familial depression had a decreased number of glia," Price said. "That suggests that this deficit may relate to the genetic difference that gives people a tendency to become depressed."

Nobelist to deliver 2nd annual Kipnis lecture

The second annual David M. Kipnis lecture will be held at 4 p.m. Thursday, Nov. 19, in Moore Auditorium, 4580 Scott Ave. Nobel Prize winner Eric F. Wieschaus, Ph.D., professor of molecular biology at Princeton University and a Howard Hughes Medical Institute investigator, will be the speaker.

Wieschaus will discuss "From Molecular Patterns to Morphogenesis: The Lessons From *Drosophila*."

He has played a central role in ushering in the modern era of developmental biology. In his pioneering work on the fruitfly *Drosophila melanogaster*, in collaboration with Christiane Nusslein-Volhard, Ph.D., Wieschaus used classical genetic screens to identify most of the zytotically-active genes required to assemble the young fly embryo. The genes identified during the course of these screens represent many of the most essential factors required for the early development of all multicellular organisms from flies to humans. He has received numerous awards for his work, including the Nobel in Medicine and Physiology in 1995.

The annual Kipnis lecture was established by the Department of Molecular Biology and Pharmacology to honor David Kipnis, M.D., Distinguished University Professor of Medicine and chair of the Department of Internal Medicine from 1972 to 1992.

The lecture is to be delivered by an individual whose work on basic questions related to the control of cell growth, differentiation and communication has

important implications for understanding the origins of human disease.

Kipnis is known internationally for his pioneering research on diabetes. He has received numerous awards, including election to the National Academy of Sciences, the George M. Kober Medal from the Association of American Physicians and the Ernest Oppenheimer Award from the Endocrine Society.

Hepatitis B

Select employees should receive vaccines

The Employee Health Service wants to remind all School of Medicine employees who handle human blood and body fluids that they should be immunized against hepatitis B.

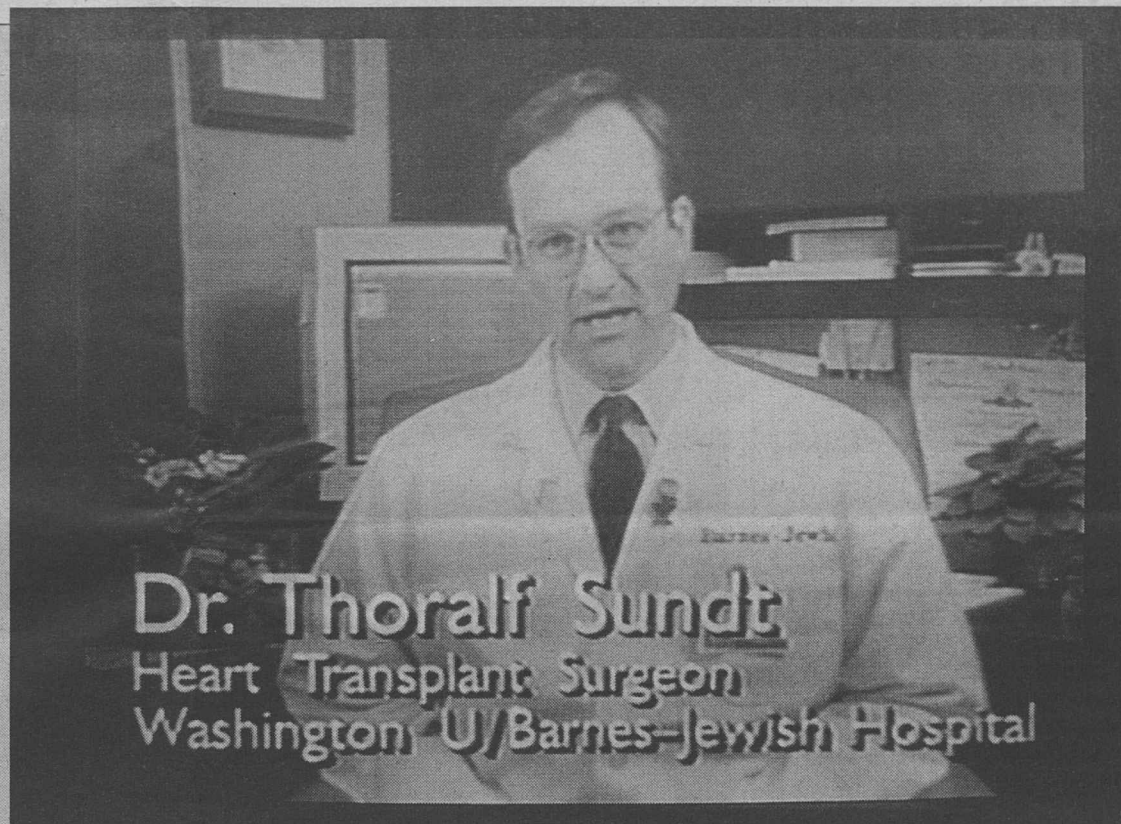
"Employee Health is concerned that some employees who should have been immunized have not gotten their vaccines," said Director Karen Winters, M.D. "We make the vaccine available, and we encourage employees to take this

step to protect themselves."

Hepatitis B, a liver disease that causes inflammation, can lead to scarring of the liver and increase the risk of liver cancer.

The vaccine, free to medical school employees, is a series of three shots. The second shot is administered one month after the first, and the third shot is given five months after the second.

To set up an appointment for immunization, call 362-3528.



Communicating about organ donation Thoralf M. Sundt III, M.D., assistant professor of surgery, appears in a public service announcement (PSA) promoting organ donation on ABC News 30. The PSA encourages people to communicate their wishes about organ and tissue donation to their families because family members make the final decision on donation. Produced jointly by the School of Medicine, Barnes-Jewish Hospital and MidAmerica Transplant Services, the PSA will air through December.

The difference in familial cases amounted to between 25 percent and 40 percent. The subgenual prefrontal cortex of the controls contained about 9 million glia. The number was reduced to about 7 million in the people with familial unipolar depression and to about 5.4 million in the people with familial bipolar disorder.

Medication effects were unlikely to account for the difference, Price said, because both the familial and the other depressed patients had taken medications. And the unipolar and bipolar patients had taken different types of drugs, yet both had fewer glial cells. Depression itself was unlikely to be the culprit because the patients with nonfamilial depression did not have fewer glia.

A shortage of glia in the subgenual prefrontal cortex is particularly interesting, Price said. His studies have revealed that this area is one of the few regions of the cortex that connect to the hypothalamus and other structures involved in stress responses. The periaqueductal gray responds to pain and sickness, for example.

"It makes you become very quiet and retreat to a safe place," Price said. "That response is remarkably similar to depression, where people show social withdrawal and lack of activity."

The researchers now want to determine which type of glia is in

short supply and what the consequences could be. "By studying the causes and results of these changes, we might be able to explain in the future how depression and mania arise as a consequence of changes in brain activity," Öngür said.

Resident award established to honor James P. Keating

The James P. Keating, M.D., Outstanding Resident Award has been established to honor the director of the Pediatric Residency Program at the School of Medicine. Keating also is the W. McKim O. Marriott, M.D., St. Louis Children's Hospital Professor of Pediatrics.

This annual award, which will recognize residents who embody the finest attributes in patient care, teaching and community spirit, is funded by residents. Keating has trained during his 26-year affiliation with the medical school.

Recipients, who will receive a plaque and monetary gift, will be nominated by the outgoing chief residents and Alan L. Schwartz, M.D., Ph.D., the Harriet B. Spoehrer Professor and head of the Department of Pediatrics. The first recipients of the Keating Outstanding Resident Award are Chester M. Ho, M.D., Kelly A. Heidenreich, M.D., and Julie E. Hoover, M.D.

"The origin of this award is quite special," Schwartz said.



Keating: Residency program director

"An anonymous former trainee wished to honor Jim Keating by the establishment of this award and sent along an initial donation with the stipulation that it be matched by other former Keating trainees. We sent out a letter to

Jim's former trainees and received more than 300 letters and contributions. This extraordinary response speaks to the man and his impact."

Keating, who also is director of the Division of Diagnostic Medicine, joined Washington University in 1968 as an instructor of pediatrics and was named profes-

sor of pediatrics in 1978. He received the Pediatric Award of Excellence from the St. Louis Pediatric Society in 1992 and the Murray Davidson Award from the American Academy of Pediatrics in 1997. Among Keating's professional organizations are the American Academy of Pediatrics, the American College of Nutrition, the American Gastroenterology Association and the American Pediatric Society.

Laser tests begin for farsighted patients

The School of Medicine's Refractive Eye Institute is testing a new laser surgery technique to correct farsightedness. For the last few years, nearsighted people have been able to receive laser surgery to correct their vision. The new study will help determine whether farsighted people can get the same benefit.

The study's principal investigator is Jay S. Pepose, M.D., Ph.D., the Bernard Becker Professor of Ophthalmology. He is one of several U.S. researchers now testing a system called hyperopic LASIK (Laser Assisted Keratomileusis).

Preliminary results are encouraging. "We've operated on both eyes of only two patients, so it is too early to know whether this procedure will work for everyone. But our early results are striking. Both patients had preoperative vision of 20/100, one line short of being legally blind. But a day after surgery, our first patient was 20/25. Our second improved to 20/20," Pepose said.

For more information on the study or refractive eye surgery, call the Washington University Refractive Eye Institute toll-free at 1-888-804-6888.

University Events

Alice's Restaurant • Japanese Culture • Slave Narratives • Triangle Books

"University Events" lists a portion of the activities taking place at Washington University over the next 10 days. For a full listing of medical rounds and conferences, see the School of Medicine's website at medschool.wustl.edu/events/. For an expanded Hilltop Campus calendar, go to www.wustl.edu/thisweek/thisweek.html.

Exhibitions

"William Jay Smith: Man of Letters." Through Nov. 24. Special Collections, Level 5, Olin Library. 935-5495.

"Joint Faculty Exhibition." Nov. 6 to Dec. 9. Gallery of Art, Steinberg Hall. 935-4523.

Films

Friday, Nov. 13

7 and 9:30 p.m. Filmboard Feature Series. "Wag the Dog." (Also Nov. 14, same times, and Nov. 15, 7 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Midnight. Filmboard Midnight Series. "Roger and Me." (Also Nov. 14, same time, and Nov. 15, 9:30 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Tuesday, Nov. 17

7 and 9 p.m. Filmboard Classic and Foreign Series. "Alice's Restaurant." (Also Nov. 18, same times.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Wednesday, Nov. 18

6 p.m. Asian and Near Eastern Languages and Literatures Film Series. "Okoge." (English subtitles.) Room 219 Ridgley Hall. 935-5156.

Friday, Nov. 20

7 and 9:30 p.m. Filmboard Feature Series. "Wings of Desire." (Also Nov. 21, same times, and Nov. 22, 7 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Midnight. Filmboard Midnight Series. "Fame." (Also Nov. 21, same time, and Nov. 22, 9:30 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Lectures

Thursday, Nov. 12

11 a.m. Cancer Center seminar. "Adhesion Receptors: Critical Regulators of Differentiation and Survival." Caroline Damsky, prof., U. of California-San Francisco. Cori Aud., 4565 McKinley. 362-3365.

Gunpowder and growth African cities' fate is topic of lecture

Howard French, The New York Times bureau chief in Abidjan on Africa's Ivory Coast, will talk about the fate of the African city at 4 p.m. Tuesday, Nov. 17, in Room 101 Duncker Hall. His talk is titled "Between Gunpowder and Growth: the Fate of the African City at Century's End." The talk is part of the African Lecture Series



French: New York Times correspondent

sponsored by the African and Afro-American Studies Program. French also will give a brown bag lunch talk at noon the same day for students interested in learning more about careers in international journalism. That session will be in Room 220 Cupples II Hall.



A detail from Julie Heffernan's "Self Portrait as Gourmand" (1994).

Painter uses 'subversive' humor in work

Julie Heffernan, a nationally exhibited painter, will speak about her work for Washington University's School of Art at 9:30 a.m. Friday, Nov. 13. The talk, which is free and open to the public, will take place in the Bixby Hall conference room.

Heffernan, who exhibits her work at two New York galleries, Littlejohn Contemporary and PPOW, paints pictures that at first glance have all the polish of an old master's studio but which, upon further inspection, reveal an incongruent and often humorous overlay of juxtaposed images. In a detail from one typical work, "Self Portrait With Attributes" (1994), a still life of apples is dotted with snatches of text and simple outline drawings

Julie Heffernan

Where Bixby Hall conference room

When 9:30 a.m. Friday, Nov. 13

Admission Free and open to the public

— a woman holding what appears to be a chainsaw, a girl dressed in Victorian costume, a woman with a cow's head.

"Heffernan's paintings use the subversive strategy of humor to illuminate the contradictions and paradoxes of woman's position in the world," said Mary Murphy, lecturer in the art school, who has written about Heffernan for The New Art Examiner.

Heffernan's work has been widely exhibited around the country, both in private galleries and in museums. It has been reviewed in numerous publications, including The New York Times, Art in America, Art Papers and the Chicago Tribune.

Born in Peoria, Ill., Heffernan grew up in northern California and earned degrees in painting from the University of California-Santa Cruz and the Yale School of Art. She has taught at Indiana University-Bloomington, the School of the Museum of Fine Arts in Boston and Pennsylvania State University. She is currently an assistant professor of fine arts at Montclair State University in Montclair, New Jersey.

11:15-12:15 p.m. Center for Mental Health Services Research brown bag seminar.

"Assessing Service Needs of Depressed Elders." Nancy Morrow-Howell, assoc. prof. of social work; Enola Proctor, prof. of social work and dir. of the Center for Mental Health Services Research; and Hong Li, doctoral student in social work. Room 39 Goldfarb Hall. 935-5687.

4 p.m. Cancer Center seminar series.

"Molecular Role of Caspases in Apoptotic Cell Suicide and Human Disease Pathogenesis." Donald Nicholson, dir., depts. of Pharmacology, Biochemistry and Molecular Biology, Merck Frosst Centre for

Therapeutic Research. Third Floor Aud., St. Louis Children's Hosp. 747-0359.

4 p.m. Earth and planetary sciences colloquium.

"The Search for Source Craters of Martian Meteorite ALH84001." Nadine G. Barlow, instructor of astronomy and dir., Robinson Observatory, U. of Central Florida. Room 362 McDonnell Hall. 935-5610.

4 p.m. Genetics seminar. "GATA-Binding Proteins and Mouse Development." David Wilson, assoc. prof. of pediatrics. Room 823 McDonnell Medical Sciences Bldg. 362-3365.

4 p.m. Joint Center for East Asian Studies Colloquium Series. "Koreans in Japan and in the Americas." George A. DeVos, prof. emeritus of anthropology, U. of California-Berkeley. Room 331 Social Sciences and Business Bldg., U. of Missouri-St. Louis. 935-4448.

4 p.m. Molecular biology and pharmacology seminar. "Regulation of Energy Balance by PPAR γ and Its Co-activators." Bruce M. Spiegelman, prof. of cell biology, Dana-Farber Cancer Institute and Harvard Medical School. The Philip Needleman Library, Room 3907 South Bldg., 4577 McKinley. 362-2725.

4:30 p.m. Mathematics colloquium. "Non-Existence of Global Smoothing Solution Operators of the D-bar Equation on Some Smoothly Bounded Pseudoconvex Domains in \mathbb{C}^n ." Norberto Salinas, prof. of mathematics, U. of Kansas. (Tea 4 p.m. in Room 200 Cupples I Hall.) Room 199 Cupples I Hall. 935-6760.

7 p.m. Graphics slide/lecture. "Changing Concepts." Jack Summerford, graphic designer and writer. Steinberg Hall Aud. 935-8402 or 935-7497.

8 p.m. Writing Program reading series. Author and Visiting Hurst Professor Carol Bly. Hurst Lounge, Duncker Hall. 935-7130.

Friday, Nov. 13

9:15 a.m. Pediatric Grand Rounds. "New Insights Into the Mechanisms of the Immune Response to Cancer." Tim Eberlein, Bixby Professor and chairman, Dept. of Surgery. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell biology and physiology seminar. "New Views of Microtubule Dynamics in

Vertebrates and Yeast Using Fluorescent Speckle and Multi-Mode Microscopy." Edward D. Salmon, Dept. of Biology, U. of North Carolina. Room 426 McDonnell Medical Sciences Bldg. 362-3964.

1:30 p.m. Thesis defense seminar. "Structure and Thermodynamics of *S. cerevisiae* MyristoylCoA: Protein N-Myristoyltransferase." Rajiv Sahai Bhatnagar, Medical Scientist Training Program. Room 3907 South Bldg. 362-3365.

4 p.m. Geometry seminar. Anneke Bart, prof., St. Louis University. Room 199 Cupples I Hall. 935-6760.

4 p.m. Hematology division seminar. "Phosphatidyl Inositols in Cell Signaling." Philip Majerus, prof. of medicine. Room 8841 Clinical Sciences Research Bldg. 362-3365.

Saturday, Nov. 14

4 p.m. Neural science seminar. "Membrane Fusion Machinery in Neuronal Exocytosis." Phyllis Hanson, Dept. of Cell Biology and Physiology. Cori Aud., 4565 McKinley Ave. 362-3365.

Sunday, Nov. 15

1 p.m. School of Art slide lecture. Art St. Louis Jurors' Presentation. Regenia Perry, prof. emeritus, Virginia Commonwealth U. Steinberg Hall Aud. 935-6597.

Monday, Nov. 16

Noon. Molecular biology and pharmacology seminar. "Roles of Fibroblast Growth Factors in Regionalization of Midbrain and Hindbrain." Ivor Mason, senior lecturer in developmental neurobiology, Medical School of Guy's, King's and St. Thomas' Hospital, London. The Philip Needleman Library, Room 3907 South Bldg. 362-2725.

Noon. Neurology and neurological surgery research seminar. "Presenilin-1 Function and Its Role in Alzheimer's Disease." Jane Wu, asst. prof. of pediatrics. Schwarz Aud., first floor, Maternity Hosp. 362-3365.

2:15 p.m. Condensed matter sciences seminar. "Solid-State Structural Phase Transformation Induced by Electromigration Forces." Patrick Gibbons, prof. of physics. (Coffee 2 p.m.) Room 241 Compton Hall. 935-6276.

4 p.m. Biology seminar. "Genetic Resources for Complex Traits in Mice: Body Weight and Obesity." James M. Cheverud, prof. of anatomy, anthropology, biology and genetics. Room 322 Rebstock Hall. 935-6860.

4 p.m. Immunology research seminar series. "NK Cell Receptor for MHC Class I." Lewis Lanier, Immune Biology Dept., DNAX Research Institute. Eric P. Newman Education Center. 362-2763.

4 p.m. Molecular biology and pharmacology seminar. "Neural Cell Fate Determination in the Early Embryo." Kristen Kroll, Dept. of Cell Biology, Harvard Medical School. Room 3907 South Bldg. 362-3365.

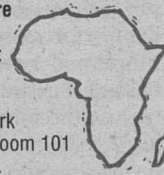
4 p.m. Women's studies/philosophy/classics lecture. "Tragedy and Women's Deliberation." On Sophocles' Antigone. Tiffany Sutton, guest lecturer, philosophy. Room 211 Busch Hall. 935-5102.

6 p.m. Architecture Monday Night Lecture Series. Harris Armstrong Endowed Lecture. "The Gift: Reflections on the Work of Charles and Ray Eames." Beatriz Colomina, architectural historian and assoc. prof., Princeton U. (Reception 5 p.m. Givens Hall.) Steinberg Hall Aud. 935-6200.

Tuesday, Nov. 17

Noon. Molecular microbiology/microbial pathogenesis seminar. "Evasion of Immune Effector Mechanisms by *Mycobacterium tuberculosis*." Joel D. Ernst, assoc. prof. of medicine, Dept. of Infectious Diseases, U. of California-San Francisco. Cori Aud., 4565 McKinley Ave. 362-8873.

4 p.m. African and Afro-American Studies Program Lecture Series. "Between Gunpowder and Growth: The Fate of the African City at Century's End." Howard French, New York Times correspondent. Room 101 Duncker Hall. 935-5690.



4 p.m. Anesthesiology Research Unit Seminar Series. Ken Blumer, assoc. prof. of cell biology and physiology. Room 5550 Clinical Sciences Research Bldg. 362-3365.

4 p.m. Bioorganic chemistry seminar. "Insights Into Catalysis by Enolase." George Reed, U. of Wisconsin. Room 3907 South Bldg. 362-3365.

Wednesday, Nov. 18

6:30 a.m. Anesthesiology Grand Rounds. "The Mechanism and Use of Alpha-2 Agonists." Mervyn Maze, prof., assoc. chair-research, Dept. of Anesthesiology, Stanford U. Wohl Aud., 4960 Children's Place. 362-6978.

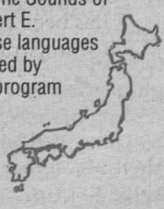
8 a.m. Obstetrics and Gynecology Grand Rounds. "Thyroid Disease in Obstetrics and Gynecology." James R. Etzkorn, asst. prof. of internal medicine, endocrinology and metabolism. Clopton Aud., 4950 Children's Place. 362-1016.

4 p.m. Biochemistry and molecular biophysics seminar. "Protein Folding on Membranes: Mechanism of Secondary Structure Formation." Stephen H. White, prof., Dept. of Physiology and Biophysics, U. of California-Irvine. Cori Aud., 4565 McKinley Ave. 362-0261.

4 p.m. Earth and planetary sciences special colloquium. "The Mars Pathfinder Mission and Science Results." Matt Golombek, Mars Pathfinder Project Scientist, Jet Propulsion Laboratory, Pasadena, Calif. Room 162 McDonnell Hall. 935-5610.

4 p.m. Neurology Grand Rounds. Robert S. Klayman Memorial Lecture in Parkinson's Disease Research. "Experimental Therapeutics of Parkinson's Disease and Other Neurodegenerative Disorders: Unmet Needs." Ira Shoulson, prof. of experimental therapeutics, neurology, pharmacology and medicine, U. of Rochester School of Medicine, and neurologist and physician, Strong Memorial Hospital, Rochester, N.Y. West Pavilion Aud., lower level, Barnes Hosp. 362-6909.

4 p.m. Poetry reading. "The Sounds of Japanese Culture." Robert E. Morrell, prof. of Japanese languages and literatures. Sponsored by Comparative Literature program and Dept. of Asian and Near Eastern Languages and Literatures. Hurst Lounge, Duncker Hall. 935-5170.



Thursday, Nov. 19

Noon. Genetics dept. seminar. "Genetics of Learning and Other Complex Behavior in Mice." Lorraine Flaherty, Wadsworth Center, Axelrod Inst. Room 823 McDonnell Medical Sciences Bldg. 362-3365.

1:10 p.m. Social work lecture series. "Indigenous People in a Diverse Society: Strategies for Survival and Progress." Hilary N. Weaver, asst. prof., School of Social Work, State U. of N.Y., Buffalo. Brown Hall Lounge. 935-4909.

4 p.m. American culture studies lecture. "Rescuing Dictated Slave Narratives From the Literary Trash Can." Barbara Baumgartner, Mellon Postdoctoral Fellow, women's studies and American culture studies. Hurst Lounge, Duncker Hall. 935-5216.

4 p.m. Earth and planetary sciences colloquium. "Iron and Manganese Metabolism by Micobis: Eating at the Hard Rock Café." Ken Nealson, NASA Jet Propulsion Laboratory. Room 362 McDonnell Hall. 935-5610.

4 p.m. The Second Annual David M. Kipnis Lecture. "From Molecular Patterns to Morphogenesis: The Lessons From *Drosophila*." Eric F. Wieschaus, Princeton, N.J. Moore Aud., North Bldg., 4580 Scott Ave. 362-3365.

4:30 p.m. Mathematics colloquium. "Flattening Graphs in 3-Space." Martin Scharlemann, prof., U. of California, Santa Barbara. Room 199 Cupples I Hall. (Tea 4 p.m., Room 200 Cupples I Hall.) 935-6760.

5 p.m. Vision science seminar. "Understanding Excimer Laser Tissue Interaction and Wound Healing." Terrence P. O'Brien, Johns Hopkins Hosp. East Pavillion Aud., Barnes-Jewish Hosp. 362-3365.

6 p.m. Architecture Monday Night Lecture Series. Patricia and John Patkau, Patkau Architects, Edmonton and Vancouver, and Raymond E. Maritz visiting professors. (Reception 5 p.m., Givens Hall.) Steinberg Hall Aud. 935-6200.

6 p.m. Arts and Sciences Century Club Series. "Bioprospecting for New Drugs in Amazonia Peru." Walter H. Lewis, prof. of biology. (Reception 5:30 p.m.) Goldfarb Aud., McDonnell Hall. For reservations, call 935-8003 or 935-4986.

Friday, Nov. 20

9:15 a.m. Pediatric Grand Rounds. "The Lung Nerves and the Genesis of Airway Disease." Julio Perez-Fontan, prof. of pediatrics and of anesthesiology, dir., Division of Pediatric Critical Care Medicine and of Pediatric Intensive Care Unit, St. Louis Children's Hosp. Clopton Aud., 4950 Children's Place. 454-6006.

4 p.m. Geometry seminar. "Heegaard Splittings of Solvmanifolds." Martin Scharlemann, prof., U. of California-Santa Barbara. Room 199 Cupples I Hall. 935-6760.

4 p.m. Hematology division seminar. "A Modular System of Docking Sites Mediates MAP Kinase Recognition of Substrate Proteins." Kerry Kornfeld, asst. prof. of molecular biology and pharmacology. Room 8841 Clinical Sciences Research Bldg. 362-3365.

4 p.m. Music dept. lecture. "Distant Echoes: Historical Singers and Their Recordings." Bruce Carvell, asst. registrar. Room 102 Music Classroom Bldg. 935-4841.

4 p.m. Neuroscience biweekly seminar. "Phospholipid-Nucleotide Interactions in Control of K Channels: Chips or Candy." Colin Nichols, assoc. prof. of cell biology and physiology. Cori Aud., 4565 McKinley Ave. 362-3365.

Saturday, Nov. 21

9 a.m. Neural sciences seminar. "Endocytic Mechanisms: The Heuser-Ceccarelli Debate Revisited." Bob Wilkinson, assoc. prof. of cell biology and physiology. Erlanger Aud., McDonnell Medical Sciences Bldg. 362-3365.

Music

Sunday, Nov. 15

3 p.m. Fall recital. Celina Boldrey, violinist. Steinberg Hall Aud. 935-5490.

Tuesday, Nov. 17

8 p.m. Music dept. concert. "Music of Beethoven and Dvořák." Eliot Trio. Steinberg Hall Aud. 935-4841.

Thursday, Nov. 19

8:30 p.m. Student recital. Music of Haydn, Schubert and Beethoven. Graham Chapel. 935-4841.

Performances

Friday, Nov. 13

8 p.m. Performing Arts Dept. performance. Shakespeare's "A Midsummer Night's Dream." William Whitaker, director. (Also Nov. 14, 20, 21, same time, and Nov. 15, 22, 3 p.m.) Cost: \$10; \$8 for faculty, staff, students and senior citizens. Edison Theatre. 935-6543.

Miscellany

Saturday, Nov. 14

9 a.m.-noon. Fine Arts Institute workshop. "Make the Bunny Hop." Bob Smith, prof. emeritus of art, will teach how to make pop-up books with moving parts. Cost: \$40. Room 204 Lewis Center. 935-4643.

Saturday, Nov. 21

9:30 a.m. Fine Arts Institute workshop. "Accordion Triangle Book." Karyl Howard. Cost: \$35. Bixby Hall. 935-4643.

9:30 a.m. Fine Arts Institute workshop. "Book Preservation and Repair." Roxanna Herrick, head of preservation, Olin Library. Cost: \$15. Bixby Gallery. 935-4643.

Sports

Saturday, Nov. 14

11 a.m. Men's and women's cross country. NCAA Division III Midwest Regional Championships. (Hosted by WU.) Forest Park, St. Louis. 935-5220.

Noon. Men's and women's swimming/diving. WU all-divisions diving. Millstone Pool. 935-5220.

Friday, Nov. 20

8 p.m. Men's basketball team vs. Colby College (Maine). 15th Annual Lopata Classic. (Also 6 p.m. Ill. Wesleyan vs. Pomona-Pitzer.) Field House. 935-5220.

Saturday, Nov. 21

10 a.m. Men's and women's swimming/diving. WU Thanksgiving Invitational. (Also Nov. 22, same time.) Millstone Pool. 935-5220.

6 p.m. Men's basketball consolation game. 15th Annual Lopata Classic. (Championship game at 8 p.m.) Field House. 935-5220.

Campus Watch

The following incidents were reported to University Police from **Nov. 2-8**. Readers with information that could assist in investigating these incidents are urged to call **935-5555**. This release is provided as a public service to promote safety awareness and is available on the University Police Website at rescomp.wustl.edu/~wupd.

Nov. 3

8:38 p.m. — A student was arrested for disorderly conduct after causing a disturbance at the Athletic Complex. The incident has been referred to the Judicial Administrator.

Nov. 6

2:16 p.m. — A student reported the theft of a mountain bike worth \$520 from a rack on the west side of Rutledge Residence Hall.

Nov. 7

2:18 a.m. — A student reported severe damage to three soccer goals on the intramural field.

Nov. 8

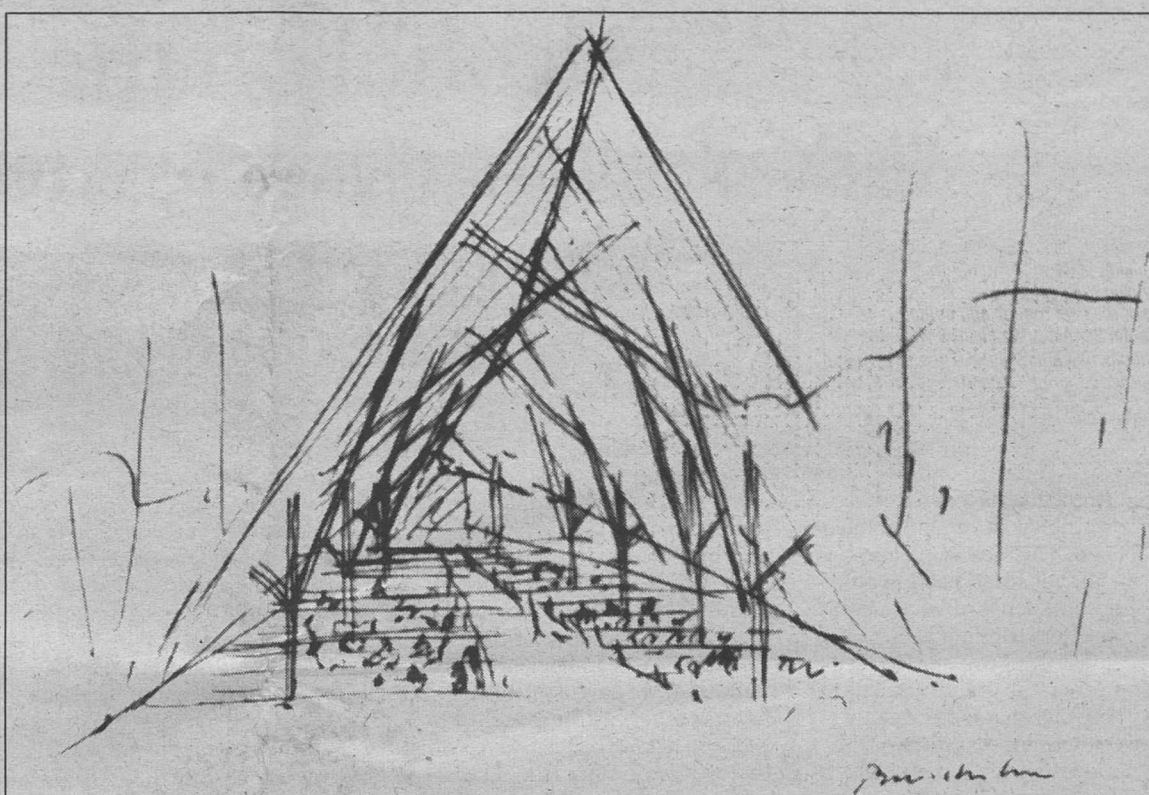
2:28 a.m. — A student reported a physical assault at

Mallinckrodt Center. The student was treated by the Emergency Support Team and taken to an area hospital for further treatment.

12:02 p.m. — Three students reported the theft of two CD players and three calculators from an office in Lopata Hall. Total loss was set at \$270.

12:55 p.m. — A Bon Appetit employee reported the theft of a locked safe from the office of the Umrathskellar. The safe contained \$3,175 in cash.

University Police also responded to seven additional reports of theft, three additional reports of vandalism, an additional assault, one report of marijuana possession, a peace disturbance and a suspicious person.



Adrian Luchini's designs for Beersheba Chapel at a Methodist church camp in Tennessee draw inspiration from the natural surroundings.

Exhibit showcases wide-ranging work

Associate Professor of Architecture Adrian Luchini's skill at integrating site and context with exceptional design will be highlighted in an upcoming exhibit of his work on two contrasting projects. The exhibit of his designs for a transportation center in downtown St. Louis and a chapel on a wooded site in the heart of Tennessee will be on display Nov. 19 through Dec. 18 at Givens Hall, first floor.

Luchini's designs for the Beersheba Chapel for the United Methodist Assembly camp in Beersheba Springs, Tenn., symbolize the momentum of the church as it enters the new millennium. While the religious retreat center traces its roots back to the pre-Civil War era, Luchini created a 224-seat chapel that at once draws inspiration from the natural setting and embodies new architectural expression.

"Conceptually, the chapel is viewed as two large hands hosting and protecting the user," Luchini said. "The roof, which gradually tilts toward the altar, creates the illusion of floating above the structure, while framing the

exterior views above the nave. Only at the altar, surrounded by a full height of glass wall, does the view open up entirely to the sky."

In direct contrast, Luchini's designs for the Gateway Transportation Center in downtown St. Louis reflect complex urban conditions and capture the spirit

southwest of the Kiel Center. "By appearing as a vertical single plane made of glass and extruded polycarbon panels, it will glow at night, becoming a true marker for the site. On the west side, the roof, which is conceived as a single plane, will curve down and become the west facade.

Luchini's designs for the transportation center are featured in the November issue of Architecture magazine. His work on the Beersheba Chapel recently won an Honor Award from the American Institute of Architects (AIA)-Central States, AIA St. Louis and the Construction Products Council (CPC).

John Hoal, associate professor of architecture and urban design and head of the school's Master of Architecture and Urban Design program, also won an AIA/CPC Merit Award for his designs for Pagoda Circle in St. Louis' Forest Park. Additionally, School of Architecture alumni representing Hellmuth Obata and Kassabaum Inc., Sverdrup Facilities, Tao & Lee Associates and Christner Inc. received awards in the competition.

Architecture Exhibit

Where Given Hall, first floor

When Nov. 19-Dec. 18

Admission Free and open to the public

Sports Section

Women's soccer in NCAA quarterfinals

Washington University's women's soccer team advanced to the quarterfinals of the NCAA Division III tournament with a 6-5 wild double-overtime win over Ohio Wesleyan University in the Great Lakes Regional Championship. The game was held Saturday, Nov. 7, in Delaware, Ohio. For the second year in a row, the Bears (17-3-0) will face top-ranked Macalester (Minn.) College (19-1-0), winner of the Central Region, in the NCAA quarterfinals, either next Saturday or Sunday, Nov. 14 or 15. WU won last year's quarter-final match over the Scots 2-1 to advance to their first-ever national semifinal. In the first round of the Great Lakes Regional, held Friday, Nov. 6, Rachel Sweeney and Lori Thomas tallied two goals apiece and Jessica Glick added one in the Bears' 5-1 win over Denison University.

Men's soccer back in NCAA tourney

For the 15th time in 21 seasons, the men's soccer team will play in the NCAA Division III Championship tournament. The Bears (11-6-2) were one of five

teams selected to play in the Central Regional and must play a first-round game Wednesday, Nov. 11, at Centre College (Danville, Ky.). The winner will face defending national champion and regional host Wheaton College (Ill.) Friday, Nov. 13. Washington U. and Centre met in a regular-season finale Friday, Nov. 6, at Francis Field, playing to a 1-1 tie in double-overtime.

Volleyball to host NCAA regional

The volleyball team opens postseason play by hosting the NCAA Division III South Regional tournament Thursday-Saturday, Nov. 12-14. The Bears, 35-3 this season and ranked third in the nation by the American Volleyball Coaches Association, are hosting the South Regional for the second consecutive year and fourth time in the last five seasons. The field for the regional is nearly identical to last year's, with Trinity University (Texas), Southwestern University (Texas), Emory University (Ga.) and Savannah College of Art and Design (Ga.) returning and being joined by DePauw University (Ind.). First-seeded Washington U. and second-seeded Trinity will get first-round byes on Thursday. WU will take on the winner of

Savannah and Emory at 8 p.m. Friday. The regional championship will be held Saturday at 7 p.m.

Football wins season finale; finishes 6-4

Alan Barnette threw three touchdown passes in his final collegiate game and junior Mark Bruggeman caught two TD passes as the Bears closed their 1998 season Saturday, Nov. 7, with a 42-20 victory over Colorado College at Francis Field. WU finished with a 6-4 record — its sixth straight winning season. Barnette helped WU quarterbacks set a new record for completions in a season (190) and finished the season with a record 64.3 percent completion percentage (133 of 207). After Colorado College scored on a 2-yard run with 7 minutes, 33 seconds left in the game to cut the deficit to 36-20, WU junior running back Sean King added his first touchdown of the season to complete the scoring at 2:34 in the fourth quarter. Washington U. junior tailback Larry Foster led all rushers with 124 yards on 22 carries.

Compiled by Kevin Bergquist, director, sports information, and Keith Jenkins, asst. director, sports information.

Alcohol on the Hilltop

Washington University confronts reality and deals with it

Jill Carnaghi has had to cradle a mourning mother in her arms. Twice. Another would be three too many.

As the University of Vermont's director of residential life in the early and mid-1990s, Carnaghi twice was called upon to assist the grieving families of sons who had died from alcohol-related causes. One stumbled and then tumbled off a cliff. The second succumbed to an allergic food reaction after losing some sense of what he was eating while drinking beer.

"It just tears you apart to see the mother, the grandmother, the twin brother that looks exactly like the student that died — the twin brother who had started a SADD chapter in their hometown," Carnaghi said.

Now 18 months into her role as assistant vice chancellor for students and director of campus life at Washington University, Carnaghi looked unsettled when she said quietly, "We've been living on borrowed time here...."

"No better, no worse" is the simplex shorthand in comparing Washington University to the rest of the nation's colleges and universities in the ongoing epidemic of campus alcohol consumption. "A bit more tolerant, much more fortunate" would be more forthright. Even those who contest the first part of that assertion don't dispute the second.

Nationally, approximately 50 college students die each year of alcohol-related reasons. No such tragedy, by anyone's recollection, has ever struck Washington University.

Worst-case scenarios aside, college and university presidents have designated alcohol as their number-one concern. While the numbers show that virtually every school in every demographic category is facing the same problem, each school has its own individual idiosyncrasies to overcome.

Here, the challenge is to continue changing a culture — a culture that at one time featured a chugging contest in Bowles Plaza, a culture that once included students formally employed as "campus representatives" by beer distributors, a culture that until recently allowed pre-registered kegs at dormitory socials.

"I don't think anyone can call Washington University a 'party school,'" said Karen Levin Coburn, assistant vice chancellor for students and dean of the freshman transition. "But if a lot of students continue to believe that the University has an 'anything goes' attitude toward alcohol, than that becomes self-

perpetuating. We need to work together to set clear community expectations and to grapple with the challenge of alcohol management. Any university that is responsible and honest about this issue should be discussing it."

That discussion has begun in earnest. Leading the dialogue is James E. McLeod, vice chancellor for students and dean of the College of Arts and Sciences. "We know that we have a problem here, as other institutions do," McLeod acknowledged. "We know that we are not immune. There are an infinite number of ways to approach the problem, but I think it's best for us to approach it as a

RECORD REPORT

ALCOHOL

A Campus Quandary

By DAVID MOESSNER



this campus — particularly over the weekends — intoxication is an element," he said. "A large, large percentage."

Two sets of statistics underline the point:

- 73 percent of WU students drink and 36 percent binge drink — consuming five or more drinks in a sitting during the past two weeks — according to the 1997 Core Drug and Alcohol Survey. In addition, 30 percent of WU students reported some form of

naming of four assistant vice chancellors for students — Coburn, Carnaghi, Justin Carroll, who also doubles as dean of students, and Steven Hoffner, who also serves as director of operations.

"What we're accomplishing with these four assignments is to put mature and experienced leadership in key areas where we need to make great progress," McLeod said at that time. Included among five areas that would receive "sharper focus" were the health and fitness of students and the role of student organizations, activities and events.

In addition, in July 1997,

director of judicial programs; Steve Malter, coordinator of programming and all-campus events; and Karin Horstman, coordinator of Greek affairs. The latter five all have been hired in the past nine months.

The result: a healthy blend of fresh ideas and long-term perspective — all aiding the desired holistic approach.

"We've got the team together," McLeod said. "We've really started to do the things we can do immediately — and now we have to plan a much more broad-gauged, substantial response."

The first joint effort was to review the University's alcohol and drug policy, which had been established in 1989. In its April 1998 report to McLeod, the task force left the policy fully intact. "Not a word has changed — unless there was some kind of typo," Carnaghi quipped. What has changed is the implementation.

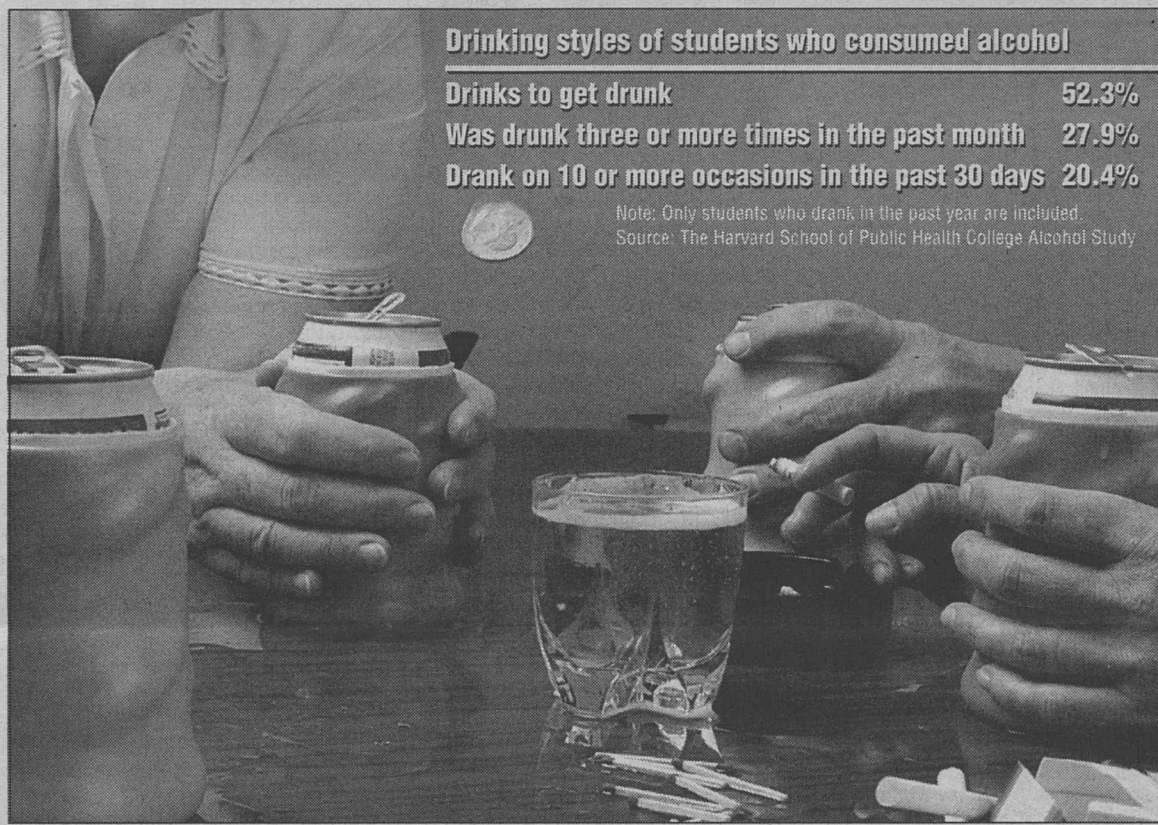
The most notable changes have come on the South 40, which houses 2,600 undergraduates, including virtually all 1,450-plus freshmen. There now is zero tolerance for kegs, for alcohol in the lounges and common areas in the residential houses, or for open containers outdoors. In addition, suite parties — historically a common occurrence — face new limits. Guest list capacity has gone from 40 to a more fire-code-friendly 20.

Braided with the decree, though, is this concession to reality: students have, are, will and *always* will drink. Thus, the obvious loophole: a student's room is regarded as a sanctuary, regardless of the occupant's age, as long as the actions within are "responsible."

Jill Stratton said that an outsider's perspective led her to realize that the pendulum had swung too far, though. Stratton's sister, who is a senior at another school, spent the summer at Washington University as a resident advisor (RA). "One day, my sister mentioned that a college student walked into a computer lab with a bottle of rum. She said, 'I didn't stop them because I know you all don't care about that.' I thought, 'Whoa! We need to better relay and uphold our expectations.'"

Nevertheless, implementation of the policy has, in large part, fallen into the hands of fellow students: the RAs who help oversee each floor. The new directives were presented to the 79 RAs, including 63 rookies, this summer as part of an RA training retreat.

"I told them that I knew this was going to be hard," Stratton recalled. "I said, 'This is changing a culture and you have a major role in shaping this community.' We



community issue — supporting the health and wellness of our young people."

Coburn concurs. "When students have been drinking, they are really putting themselves at risk, so that's a concern," she said. "But the entire community also feels the effects of abusive alcohol — even students who don't drink at all. It may mean that it is noisy on the floor. It may mean that people are getting sick in the bathrooms. It may mean there is vandalism. It may mean that students are the recipients of unwanted sexual advances."

Those second-hand effects come to the attention of William Taylor, chief of University police. "Quite frankly, in a large percentage of the calls we deal with on

public misconduct at least once in the past year as a result of drinking.

In the first two months of this semester, 150 medical calls were made by WU's Emergency Support Team; 46 were directly alcohol-related. Ten of those students travelled by ambulance to a hospital.

The quest to cut into those stark statistics made significant inroads in 1995 when Chancellor Mark S. Wrighton tapped McLeod to take on the additional role as vice chancellor for students. McLeod methodically moved forward with a plan to unite all the administrative areas that work directly on behalf of students. A key component in this drive occurred early in 1997 with the

University Police shifted to Hoffner's purview. Previously, the force had been part of Business Affairs. "We shifted from a business entity to an organization that interacts very closely with residential life and campus life," said Taylor. "That has resulted in more of a partnership between the various staffs — much stronger than in the past."

Binding these relationships has been a strong leadership structure that has grown to include, among others, Laurie Reitman, M.D., director of Student Health and Counseling Service; Jill Stratton, associate director of housing and residential life; Betsy Foy, health service quality management coordinator; Mimi Weiss, director of health and wellness; Julie Saker,

VOICES ► Wondering about direction

"I have been at Washington University for almost 17 years ... My sense is that Washington University is no worse — but almost certainly no better — than most other major universities in this regard.

"Recent research studies which I have read suggest that there is less and less of a 'happy medium' with regard to the use of alcohol. Students either are binge drinkers or virtual non-drinkers, with little in between. This polarization has become more pronounced in recent years, according to these studies, and I wonder what this says to us as administrators responsible for the well-being of our students.

"Over the years I have heard a number of complaints from non-drinking students about what they perceive as a lack of

activities supportive of their desire not to drink. I wonder what our current policies and practices are in terms of how we provide opportunities for students who want to have fun without alcohol.

"Finally, in an environment in which it seems that we have fewer and fewer examples of responsible social drinking, I wonder what we do to promote safe and responsible use of alcohol among those who do drink. When students divide primarily into non-drinkers and those who drink to excess, how do you develop programs to encourage the responsible and moderate use of alcohol?"

Gary M. Hochberg, Ph.D.
Associate dean of the School of Business

► The law is the law

"In the '80s and even into the '90s, we were in denial. With the tolerance and lax enforcement, we were almost enabling. Students will say, 'If we can't drink on campus, we'll go off-campus.' My feeling is, 'That's your choice, but we're not going to make it easy for you here.'"

"You have to be 21 in this state. I can hardly argue the point that breaking the law is responsible. It isn't. We don't live in a vacuum. I can't walk down the streets of Clayton or U City with an open container of beer. Why should students think they can behave differently than they could in the Loop or in uptown Clayton?"

James W. Davis, Ph.D.
Professor of political science in Arts and Sciences

► Underage drinker questions WU policy

"The new 'enforcement' of the alcohol policy (i.e. greater control of underage drinking at campus events) has negative and harmful effects on students. I speak from personal experience: the night of Bauhaus I was taken to the hospital after binge drinking in the dorms.

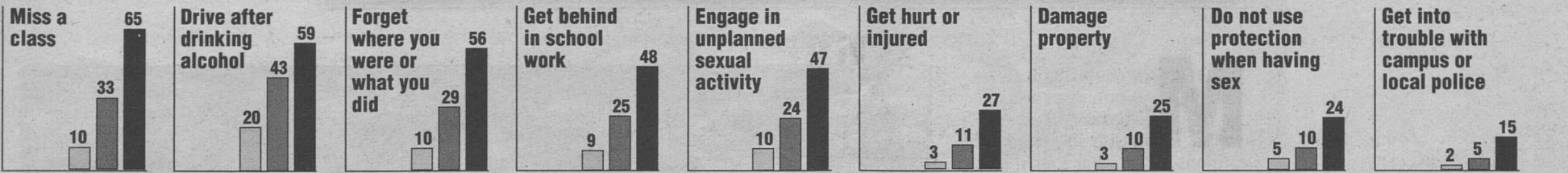
"In my opinion, the current enforcement of the WU drinking policy encourages more 'negative' drinking and less social drinking. Negative drinking would be, for example, taking repeated shots in the dorms before going out to a campus event. Alcohol should never be the primary focus of any activity, but currently WU sanctions this 'behind closed doors' drinking. It seems they would have us drink irresponsibly for the 30 minutes before

going out, rather than just drink socially throughout the night at campus events. I would hope that the intent of the new policy is to shift the central focus of events away from drinking. Unfortunately, drinking can then become the central focus before going out and this is sometimes even more dangerous.

"I thank the University and EST for doing everything within their power to make sure I received adequate care the night of Bauhaus. It is the responsibility of the students to learn how to drink responsibly or not at all. However, Washington University should also try to facilitate less dangerous and more responsible ways of drinking."

Shanti Braford
Class of 2002

Alcohol and risk: Percentage of problems rise with intake



Source: The Harvard School of Public Health College Alcohol Study

didn't have any major disagreements, but some hands flew up. A few people questioned that they won't have the same kind of rapport with the residents and that this is not what they signed up for. Most, though, told me we were on the right track."

Back across Forsyth Boulevard, the fraternities and the major campus parties have undergone subtler changes. The tweaks include wrist-banding students who are of legal drinking age and incorporating licensed third-party vendors to distribute alcohol.

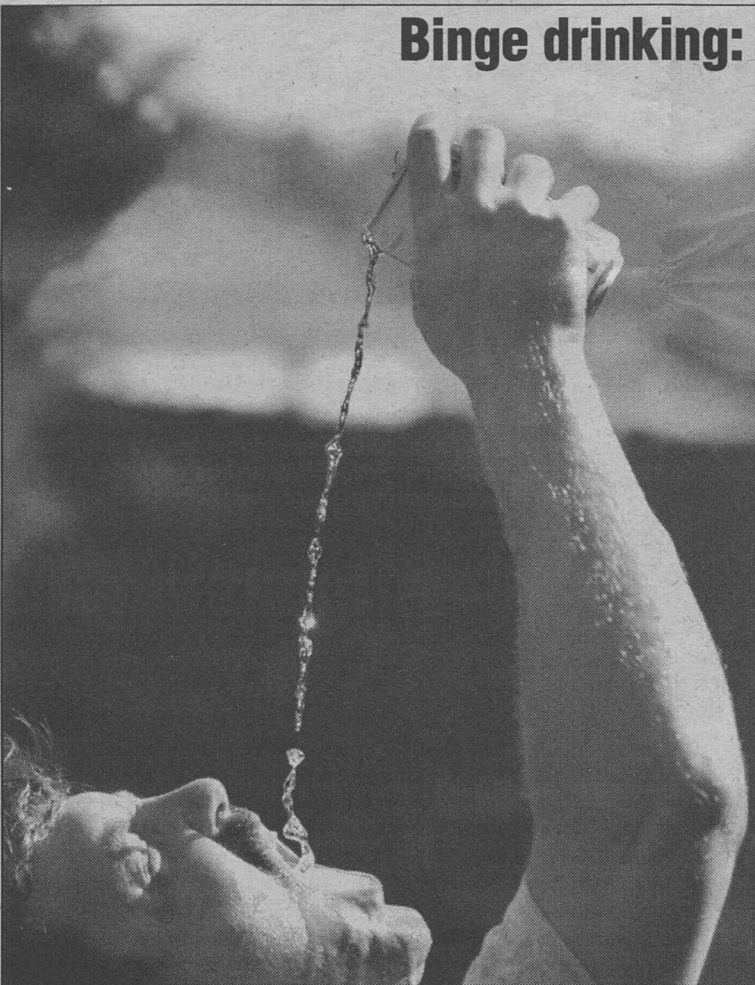
But for every action there is a reaction. In this case, Taylor reports that students are doing more "preparatory" or "pre-party" drinking. "Because the distribution at functions is more controlled, some students are making like camels — trying to ingest enough alcohol to last them through the evening," he said. "Of course, when you concentrate your consumption like that, you're more likely to have negative effects."

Carroll said the response to that adolescent approach is clear. "Students are responsible for their own actions," he said. "However, it falls on us to provide renewed efforts at education in this area and to work at normalizing social behavior."

Tangibly, there are many ideas flowing to help take students' focus off of alcohol. Among them are providing funding for better bands at major parties like WILD [see accompanying story], creating a large-scale campus event in the first few days of orientation and the possibility of a University entertainment facility.

In the end, the focus remains on creating a community that benefits students' health and well-being. "We have such an incredible and bright group of students at Washington University," Carnaghi said. "We have a respectful community — civility and caring are high priorities. But the question is, where does free will and responsibility begin and end — and how much are we enabling students?"

Taylor concluded: "I'm proud of how the University is trying to deal with this issue. We're not hiding from it, but we're not having the knee-jerk reactions that have resulted in problems at other institutions. The rumor and the concern is that the University is trying to create a dry campus — and that certainly is not the case. We're trying to take a very rational approach, one that creates a long-lasting cultural change on campus."



Binge drinking:

How colleges compare

	Binge Drinkers
Not competitive*	37.8%
Competitive	44.5%
Very competitive	46.8%
Highly competitive	39.6%
<hr/>	
Small < 5000	41.5%
Medium, 5,001-10,000	42.0%
Large > 10,000	43.5%
<hr/>	
Public school	43.3%
Private school	41.3%
<hr/>	
Northeast	46.1%
South	40.9%
North Central	47.4%
West	33.7%
<hr/>	
Religious affiliation	40.4%
Nonreligious	43.1%

A tale of two parties

Top-notch entertainment eclipses kegs at campus events

WILD. Washington University's twice-a-year campuswide blow-out in the Quad lives up to its acronym. Last spring's event featured 67 kegs and a raucous rock concert.

Walk In, Lay Down Theatre was born in the late 1970s, the creation of a group of Suite 31 residents — a.k.a. Team 31. It was conceived as a genteel picnic and outdoor movie theater gathering for students, staff, faculty and their families. Bring the potluck, stake out a place, spread the blankets and spend a few hours.

After a few years, music was added to the equation — generally a jazz band or the like, providing background music for the picnic. Soon the music became more important, with bigger and better bands providing the punch. People started bringing alcohol. A keg and a couch replaced the blanket and bucket of chicken. Faculty and

staff started watching from their windows.

Since the late 1980s, WILD has existed in its current form. The one difference within that decade: the bands used to be better, a lot better.

That's slated to change, said Steve Malter, who was hired last spring as coordinator of programming and all-campus events. "As you improve the quality of the event, I think the quantity of the drinking goes down," he said. "Our goal is not to have prohibition on this campus. Our goal is to have events where alcohol is not the focus, and there are ways to do that. One is allocating more funds to get a better band. A second thing is to add more special activities in the afternoon — like games and a Taste of St. Louis with food giveaways — and to really get back to a festival-type atmosphere."

In regard to talent level, fewer "boo's" did translate into less

booze at one recent campus event. The acclaimed improvisational comedy troupe Second City — the training ground for waves of Saturday Night Live performers and alumni — was brought in by the Homecoming Committee for a Saturday night show in Bowles Plaza. A couple thousand in the audience, six kegs on ice. Two kegs went untapped, another was barely dented. A great time had by all.

At this fall's WILD, Team 31 did self-initiate a number of positive alcohol-related policy changes. They included wrist-banding instead of hand-stamping those 21 and older, advance registration of kegs, a narrowing of the time frame in which kegs could be wheeled in and a massive "think first" button campaign. And yes, kegs did diminish from 67 last spring to 52 this fall.

"The students' motives are pure," Malter said. "Let's have an amazing event.' That's it."

Q&A with Chad West, SU president

Q: What about the law and being 21?

West: "This is college. Students will find a way to drink. Plain and simple. By saying, 'No alcohol on campus,' you push those students who would drink off campus. It's to our benefit to keep us here — to not drive, to not walk across Forest Park Parkway and get plastered. It is a liability, but I think it's one we need to have."

Q: What's the boundary? Just no open containers?

West: "That's the boundary. You don't blatantly violate Missouri law by walking around with an open container. You can't misuse the responsibility that you have. As far as not having kegs, it's more regulated. So there are a ton of restrictions right now — and they are working."

Q: Are we at a happy medium?

West: "At this point, I think so. We're in a learning phase right now, where students are unsure what the alcohol policy really is. But students need to realize that there isn't a strong, iron hand coming down now. It's not really that much different from last year."

"I agree with the administration — as do the majority of students — that we, ourselves, need to take steps to be more responsible with alcohol. The key is that we don't want administration showing up at parties on the South 40 or in the fraternities and taking over security or the distribution of alcohol. This has happened. If it's left for us, within our own groups of friends, it will put more responsibility in the our hands — which I think would be taken seriously."

WU policy in black and white

A federal mandate requires that the following Drug and Alcohol Policy be distributed to all Washington University employees and students. Sections pertaining especially to students and alcohol are excerpted below.

Policy Statement

It is the goal of Washington University to protect the public health and environment of members of the University by promoting a drug-free environment.

In accordance with the mandate of the federal legislation, the manufacture, distribution, possession or use of illicit drugs, and the unlawful possession, use or distribution of alcohol on Washington University property or as part of any of its activities is prohibited.

Legal Sanctions

Missouri's Liquor Control Law makes it illegal for a person under the age of 21 years to purchase, attempt to purchase, or possess any intoxicating liquor (Section 311.325 RSMo.). Violation of this provision can subject one to a fine between \$50 and \$1,000 and/or imprisonment for a maximum term of one year. County and municipal ordinances contain similar prohibitions and sanctions.

Health Risks

Abuse of alcohol can produce severe health risks, including death. Alcohol consumption causes a number of marked changes in behavior. Even low doses significantly impair the judgment and coordination required to drive a car safely, increasing the likelihood that the driver will be involved in an accident. Low to moderate doses of alcohol also increase the incidence of a variety of aggressive acts, including spouse and child abuse. Moderate to high doses of alcohol cause marked impairments in higher mental functions, severely altering a person's ability to learn and remember information. Very high doses cause respiratory depression and death. If combined with other depressants of the central nervous system, much lower doses of alcohol will produce the effects just described.

Disciplinary Sanctions

The University Judicial Code governs students' conduct and establishes procedures for adjudicating complaints against students. Expulsion is the most severe sanction possible. In addition, residence halls (including fraternity houses) can impose discipline upon residents. The University may terminate the residence hall contracts of students violating its standards.

Editor's notes:

• The introduction includes background information on the Drug-Free Schools and Communities Act Amendments of 1989, Public Law 101-226. That law also requires institutions receiving federal financial assistance to prevent the illegal use of alcohol by students and employees. Accordingly, Washington University issued this policy, which became effective on and after Oct. 1, 1990.

• Also included is a section titled "Available Drug or Alcohol Counseling, Treatments or Rehabilitation or Re-entry Programs," providing the names and phone numbers of agencies and offices that are available to students with in need.

► Police chief on code compliance

"The expectation of compliance by the members of the campus community has changed. Compliance is what a person does *himself*, rather than having it enforced upon him. That's part of this change in culture — the expectation that, in fact, you follow the policy."

"For many, many years, our officers went around with blinders on. There was a time on this campus that if we showed up at a fraternity house because we had a call about a problem, we might possibly be told by an administrator to leave — that it would be dealt with and we weren't to get involved."

"With the approach that is being taken this year, we are, in fact, partners with the other folks in residential life and

student activities. What we're trying to do is maintain a consistency throughout the entire campus. But we're all kind of walking arm in arm, taking baby steps."

"By doing that, we're probably not where we should be or where we desire to be with regard to the statutes. We try to take the educational approach, we're not running around checking IDs."

"As long as we can work together in a measured fashion, given time — three or four years — I think we'll have enough of a cultural change that we'll be in good shape. But between now and then, yeah, it's going to be a little touchy at times."

William Taylor
Chief of University police

Washington People

Most people look at coupon dispensers in the grocery store and see only instant coupons. But Ambar Rao, the Fossett Distinguished Professor of Marketing at the John M. Olin School of Business, sees another dimension. To him, the coupons are not only something he can use himself, especially if it's for a favorite hot sauce, but an opportunity for a marketing research study.

He wondered what users of these coupons — these surprise bonuses — actually did with the money saved. Did they pocket it? Or did the user reward himself by buying a treat that cost more than the coupon? In other words, do unexpected coupons increase impulse buying? And that's what he and a business school colleague are researching now.

Such practicality is an admirable hallmark of Rao's research, according to Dipankar Chakravarti, a former colleague at the University of Arizona and now dean of the University of Colorado business school. "Ambar is a fabulous researcher who has that rare ability to bridge analytical, quantitative theories in management with practitioners in the real world," he said. "His research is extremely sound and rigorous, and, at the same time, it has amazing relevance."

Chakravarti, who hired Rao as the



Ambar Rao, the Fossett Distinguished Professor of Marketing, has a keen eye for instant coupons, which figure in his professional research and in his personal grocery shopping, especially if they're for items he can use in his fiery cuisine.

switches, he learned about production technology. "I also learned that I liked math and physics, but I didn't like engineering," he said. "I knew that wasn't how I wanted to spend my life."

he teaches, and he said the better students are good at both the romance and finance of marketing. "Sometimes the hard-number types are afraid of free thinking — letting their imagination take over," he said, "and, more commonly, the creative types are afraid of numbers." (That fear, though, is becoming less common, he said, because children grow up learning to play computer games, making the transition to things such as spread sheets more comfortable.)

Rao gets high marks as a teacher. "He's a very engaging professor," said Neha Gandhi, a second-year MBA student. "He stimulates thought and new ideas, and he doesn't stifle creativity." He also likes to use topical case studies, studying such things as car and liquor brands, an approach that helps keep class interesting, Gandhi said. (Of cars and liquor, Rao observed: "I figure these are two

doctors, as scientists, want tons of supporting data before they make a decision. But in marketing timing is very important, and sometimes you have to make assumptions and make a decision."

"Of course," he added wryly, "I don't want them to change their method when they're treating patients, especially me, but I do want them to change the way they make business decisions."

Rao's previous faculty appointments, in addition to his tenure at the University of Arizona in Tucson, were at the University of Toronto and at New York University. "I like urban areas," he said, "and I'm a serious Mets fan. New York was the city where I had always wanted to be, and that's where my children grew up." His daughter is a pastry chef in a just-opened restaurant in New York City, and his son is there, too, as an information technology consultant for PricewaterhouseCoopers.

Coming to St. Louis

It was about 10 years ago, he said, that he first became aware of Washington University. "An article in The New York Times described Washington U.'s undergraduate business program," he said, "and that's when the school hit my radar screen." He also knew faculty member Chakravarti Narasimhan, the Philip L. Siteman Professor of Marketing, who also attended the Indian Institute of Technology, but in Madras.

Rao seems pleased with St. Louis as his new home. A lover of classical music, he thinks the St. Louis Symphony is one of the best in the country, and he appreciates its accessibility. "It's great," he observed, "that I don't have to plan ahead six months to get a ticket." His only complaint? "Too few Indian and Chinese restaurants."

Rao's colleagues are pleased he's here, too. As Jeroen Swinkels, the August A. Busch Jr. Distinguished Professor of Managerial Economics and Strategy, said: "Ambar's wide-ranging interests make him a valued resource for every aspect of marketing, ranging from strategy and economics to operations research. His skill across disciplinary lines is critical for a school of Olin's relatively small size, and his energy in providing leadership to the school has been exemplary. Besides, he's simply a fun colleague to have around."

Master of marketing

Ambar Rao bridges gulf between theory and practice with 'amazing relevance' of his research

By NANCY BELT

first Coca-Cola Professor of Marketing at the University of Arizona, said, "You folks are very lucky. I wish we could get him here."

Given Rao's estimation of the business school, there's little chance of that happening. "I like Olin," he said. "It's moving and changing, and the place has direction and momentum, and I can participate in the change. I would like Olin to be recognized as one of the top institutions of its kind, and it, along with our marketing area, which has some fine young faculty, will continue to develop a national presence. Olin has the resources to match the dream."

Rao, who grew up in Delhi where his father was a government official, took a long route before moving to St. Louis and his present position last year. He attended Catholic schools, as do most middle-class Indians, because, as he said, "They emphasize good standards, a disciplined environment and good English skills." As most boys in India who were good in math did in the 1950s, he studied engineering, attending the Indian Institute of Technology near Calcutta, some 800 miles away. After receiving a bachelor of technology degree in mechanical engineering, he began working for an auto manufacturing company in Bombay. He designed jigs and fixtures used in the manufacturing process.

Leaving engineering

Then he went to London as part of a scholarship/work program the English Electric Co. offered to Indians. Designing electrical equipment, such as turbines and

Luckily, it was at this time that operations research was just beginning. "Some friends said I'd like it," Rao said, and ultimately that's what he came to study at Case Western Reserve University in Cleveland. "That's where I met Russ Ackoff, a very charismatic scholar," he said, "and that's where I really enjoyed work for the first time."

After Rao received a master of science degree there, he followed Ackoff to a top business school — the Wharton School at the University of Pennsylvania, from

Ambar Rao

Raised in Delhi, India

Education Indian Institute of Technology, B.T.; Case Western Reserve University, M.S.; Wharton School, University of Pennsylvania, Ph.D.

Family Daughter, Maya, and son, Ravi

University positions Fossett Distinguished Professor of Marketing; chair, search committee for associate dean and director of executive programs; member, committees for MBA curriculum and executive education

"He's a very engaging professor. He stimulates thought and new ideas, and he doesn't stifle creativity."

NEHA GANDHI

which he received a doctoral degree. During his studies there, he became captivated by marketing problems.

"Marketing is so attractive," Rao said. "It combines the excitement of the creative process and the intellectual process. That's why I say marketing equals romance plus finance. The romance part is positioning the product, making people want to buy it; and the finance part comes in because you must be able to make money by selling it."

That's what he tells MBA students in the marketing core and brand management courses

subjects students know something about.)

Gandhi also said Rao was the first professor at Olin to use peer evaluation, in which each student grades members of his or her own team at the end of the course. "This lessens the amount of free-ridership," she said.

Teaching marketing management to physicians and other health care professionals in the Executive MBA in Health Services Management program, something that Rao will do again in December, is a special challenge. "They're a difficult audience," he said, "because