Study: Lack of exercise plays greater role in obesity, diabetes

Diet less of a factor in 'couch baboons,' researchers report

By Jim Duffin

It's not that the food you eat is unimportant, but when it comes to the risk of obesity and diabetes, food may be less important than exercise. That's the conclusion of studies by an international team of researchers involving baboons in Africa.

Investigators from Washington University and Saint Louis, Princeton and Stanford universities reported their findings in the March issue of the journal Clinical Endocrinology and Metabolism.

The researchers and their colleagues have been studying the eating and exercise patterns of two groups of wild baboons in East Africa. Like most primates, one group has to forage and forage for food. The other group lives near a tourist lodge in Kenya; it gets most of its food from the garbage dump.

Some of the baboons near the dump have become obese, resistant to insulin and developed a condition comparable to diabetes in humans — just like some people who eat too much and exercise too little. They have a condition similar to a human disorder called syndrome X. Human patients with the syndrome are obese and have diabetes, high cholesterol and high blood pressure. Obesity is rare in wild baboons, but it's not unheard of in captive animals. In their initial study on leptin levels in wild animals, the Saint Louis University team members analyzed blood samples from wild baboons captured in Ethiopia by Jane E. Phillips-Conroy, Ph.D., of Washington University and Cliff Jolly, Ph.D., of New York University.

When levels of leptin — a hormone that plays a role in obesity by affecting both appetite and calorie burning — from the Ethiopian baboons were compared with leptin levels in captive baboons from a colony in San Antonio, Texas, the two groups showed striking differences.

That study demonstrated that being near a garbage dump was a risk factor for obesity, but when trying to extrapolate the data to better understand the problem of obesity in humans, a major obstacle was finding a comparison group of contemporary people who live in a sedentary condition.

"The next best thing is to go to the primate record," said Phillips-Conroy, professor of anatomy in the School of Medicine and of anthropology in Arts & Sciences. "We share many features of biology and diet. This lowers the practical barriers to doing good basic science in animals. So we can extrapolate the data to better understand the problem in humans."

Director of the Center for Evolution and Cancer Research Jim Treiman, Ph.D., said, "We've never done this kind of research before, so this is the first step in a new way of thinking about the problem of obesity."

"We're starting an exercise intervention study this summer that will involve feeding the baboons and controlling their levels of exercise," he said. "We hope the study will show that exercise is a key component for obesity prevention and treatment.

Children's learning to spell, read aided by pattern recognition, use

By Gerry Eversding

Virtually every school child learns the "b" before "f" rhyme at least once as he or she struggles with spelling.

But according to child development psychologist and reading development expert Rebecca Treiman, the "b" rule is just the tip of the iceberg when it comes to spelling patterns found in the English language. Research by Treiman and her University colleagues suggests that teaching children to recognize and use these patterns may help them learn to spell and read more easily.

"The English writing system is often considered to be chaotic and hard to learn," said Treiman, Ph.D., the Burke & Elizabeth High Baker Professor in Child Developmental Psychology in Arts & Sciences. "Some believe the only way to learn it is to memorize facts.

"Our studies suggest that listening to stories and inputting in an alphabetic writing system is very much a linguistic process. Memorization plays a more important role, for example in learning about the V of Island — but there is much more to spelling than rote memory. From..." See Spelling, Page 6

Welcome mat Junior Lisa Gordon leads a tour of the Hilltop Campus during the University's April Welcome. The annual spring event usually brings in more than 1,000 prospective students and their parents for a taste of University life for the 2003-2004 academic year.

"A potential student and his or her family get a leg up on the competition, especially in tough economic times, by getting a feel for the campus," said Lisa Luchetti, director of the University's Welcome Center.

"We want to get a leg up on the competition, especially in tough economic times, by getting a feel for the campus," said Lisa Luchetti, director of the University's Welcome Center. "We want to..." See Careers, Page 5

Career Center offers options in slow economy

BY NEIL SCHROENBER

With today's slow economy, the U.S. job market is tight. Students graduating this spring with little or no work experience may find it especially difficult to land that first professional job.

But even if a graduating senior doesn't have a resume to show a prospective employer, there is a way to get the job. "I tell my students that it's not too late to get a leg up on the competition, especially in tough economic times, networking is the key," Luchetti said.

"We want students in the right direction early in their college careers by encouraging them to come to The Career Center and to start thinking about their job search early on," Luchetti said. "But even if a student hasn't had a chance to work with his or her university's career office, help is still available."

"The core basics of any job search — having a good resume, strong interviewing skills and the networking..." See Careers, Page 5

Founder's Week celebrates 150th

By Andy Clendenen

For about 75 years, the University Alumni Association has hosted the annual Founder's Day celebration.

The event will be held at 9 a.m. Thursday, Sept. 12-14 at various places on the Hilltop Campus. From 7-8:30 p.m. Sept. 15, Robert E. Hargreaves, Ph.D., professor of History and Near Eastern Languages and Literatures, will deliver a lecture on "China in 1853: Bandits at Home and Foreigners on the Shores." The lecture is free and open to the public.

The event features a weekend of activities for the entire University community.

"This is part of a free noncredit course called "Remembering 1853: A Sesquicentennial Celebration of the Humanities,"" said University Alumni Association Director, Lisa Luchetti.

"We want students in the right direction early in their college careers by encouraging them to come to The Career Center and to start thinking about their job search early on," Luchetti said. "But even if a student hasn't had a chance to work with his or her university's career office, help is still available."

"The core basics of any job search — having a good resume, strong interviewing skills and the networking..." See Careers, Page 5
Parking permit prices to rise July 1

BY ANDY CLENDENNEN

The cost of University parking permits for the 2004-05 academic year will be increased.

Some permits are limited to a specific number available, and those will be sold on a first-come, first-served basis.

Also as part of the renewal process, green permit holders will have the option to purchase a rider on their permit for an additional $40.

For more information, go online to wustl.edu.

Parking permit fees

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April 15
10:52 a.m. — A person observed two males carrying oak-eared tables across the Thompson-Davenport Dinner. The subjects stated they had found the tables on the curb. The tables were being held at the police department until they can be returned to their proper location.

April 19
2:14 p.m. — A student reported losing his call phones in the parking lot of Mallinckrodt Student Center.

April 20
1:45 a.m. — A student stated that between 6-7:30 p.m. April 19, he was playing basketball and put his gold chain on the ground.

Diversity's importance reaffirmed by Wrighton

In this memo e-mailed to the campus April 24, Chancellor Mark S. Wrighton reaffirmed the importance of diversity at Washington University in light of the current Supreme Court case.

The current Supreme Court case on affirmative action in higher education has naturally prompted worry in the Washington University community to ask about the constituting commitment to the value of diversity in our programs. Our commitment to that value is deep and longstanding. Our programs to enhance diversity work well and are in keeping with the intent and spirit of our nation's laws.

Our experience as educators tells us that the diversity community comprising Washington University is simply one of our most vital assets. We are proud that our students are drawn from a multitude of backgrounds, from all 50 states and more than 100 countries and represent a range of racial, cultural, and intellectual interests. Each group is fundamentally to the education and scholarly work that takes place here and one we must work to sustain.

We are preparing students to live in a modern world where understanding all aspects is important to daily life. We believe that our students need to be equipped for living and working in a rider on their permit for an additional $40.

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We are preparing students to live in a modern world where understanding all aspects is important to daily life. We believe that our students need to be equipped for living and working
A rare find Bernard Becker, M.D. (right), professor emeritus of ophthalmology and visual sciences, signs a copy of the Collection of Ophthalmology — a catalog detailing the collection of ophthalmology books Becker donated to the library — for Sean Murphy, M.D., of Montreal at the 16th Annual Cogan Ophthalmic History Society Meeting. At the April 1–2 meeting, Becker opened a book exhibition in the reading room of Archives and Rare Books at the Bernard Becker Medical Library and gave a short talk about his collection. The two-day event, organized by George M. Bohigian, M.D., professor of clinical ophthalmology and visual sciences, also featured talks on topics such as the history of symbols and signs in medicine and ophthalmology.

Diabetes Research and Training Center offers research funding

BY KIMBERLY LEYDIG

School of Medicine and Hilltop Campus faculty who research diabetes and endocrinology may apply for funding through the Diabetes Research and Training Center (DRTC) at the School of Medicine. Applicants from the basic sciences, epidemiological and behavioral science departments are particularly encouraged to apply.

For more information or to receive application forms, call 314-747-0150. The proposal deadline is Aug. 15.

The multicenter study is funded by a $25 million grant from the National Heart, Lung, and Blood Institute, Robert C. Stroum and E.M. Stroum Foundation, and Dr. Martin Strominger Professor of Pediatrics, is the principal investigator of the St. Louis site. For quality to study, children can be taking an asthma medicine (such as Singular or Fluticasone) regularly or using only albuterol to combat their symptoms. Each child’s progress will be monitored for one year through seven or eight visits that will include physical examinations and blood, breathing and allergy skin tests. They will also receive three follow-up phone calls.

Medical care received in the study and asthma medications are free. Patients will receive $50 for each visit and $15 for each phone call. For more information, call 314-747-0150.

Mild-asthma study needs pediatric volunteers

BY DIANE DUNK WILLIAMS

Researchers in the School of Medicine need volunteers to participate in a national study to determine which medications should be used first to treat children with mild asthma.

The Pediatric Asthma Controller Trial will evaluate three popular medications (Singulair, the Advair Discus inhaler and the Hofrent Discus inhaler) to find out how well they control mild asthma. The randomized study will determine the percentage of days without asthma symptoms for each drug during the 12-month treatment period.

Each child must be between the ages of 5 and 13, and have had at least one severe attack of asthma in the past year. Informed consent for participation and completion of the study will be assured.

The study will take approximately one year, and each child will be monitored for one year. They will receive $50 for each visit and $15 for each phone call.

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The 74th annual School of Art Fashion Show May 4

**Thursday, May 4**

- **Fashion Show**
  - What: School of Arts Fashion Design Program
  - Where: At Missouri, the 74th annual School of Art Fashion Show will take place at the catwalk. May 4 at Saint Louis Cathedral. The President's Garden Court, near the entrance to Lord & Taylor. The event will be a Broadway-style production, followed by a dessert reception at the Gal-}

- **Art in Motion**
  - **RECORD**
  - 7 p.m. reception at the Gal-}

- **74th annual School of Art Fashion Show May 4**
  - **The models' makeup will be coordinated and accessorized by people who know the ropes — those are things students don't get at many other schools.**
  - **Equally important are the post- show "boutique sessions," at which students discuss their work with members of the audience.**
  - **"Teachers and classmates are very ripe, but for a student, it's a unique opportunity for young designers," Singleton said.**
  - **Having professional models on campus, the Fashion Show finale will feature a single, student-designed wedding dress, selected by competition.**
  - The Fashion Show is chaired by alumna Susan Block and organized by a committee of volunteers. Clothing is chosen by a jury of professional designers, University faculty and leaders in the clothing industry. Outstanding student designers are awarded a variety of scholarships, cash prizes and awards. Last year, more than 500 people attended the event.
  - The 74th Fashion Show marks the ninth year of collaboration between the University and Saint Louis Galleria. Singleton noted that the event has become an "ideal site" for the annual showcase.
  - "They are able to create a spectacular arena for showcasing fashion in a way that is unexpected in St. Louis."
  - For the 11th year, the models will be chosen by Dominique Berta of the Dominique Michael Silver Scissoring. Designers have until April 25 to submit works for consideration. The award, designed by nationally known goldsmith Roger Rinline, is presented to one outstanding member of the mid-Missouri design community. For more information, call the 24-hour fashion show hotline, 935-9090.

**Art in Motion**
- The full choreographed, Parisian-themed event featured more than 100 outfits created by the School of Art Fashion Show, including the votes of Mark Rothko.
- The models' makeup will be coordinated and accessorized by people who know the ropes — those are things students don't get at many other schools.
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A steady hand Renowned Japanese ceramicist Masayuki Miyajima recently led a daily workshop on "The Traditions of Pottery" in the School of Art. A practitioner of the simple-yet-elegant Mashiko style, Miyajima, along with wife and fel low potter Darice Veri (left), spent several weeks in residence with the Visiting East Asian Professionals (VEAP) Program in Arts & Sciences. While in St. Louis, the pair also participated in a VEAP art history course, exhibited work in the Gallery of Arts Teaching Gallery and lectured at the Saint Louis Art Museum.

Tuesday, April 29
8 p.m. Concert. String Chamber Ensemble. Performing Arts Department. 2 p.m. Baseball vs. Webster U.

Friday, April 25
6-6:45 p.m. University Libraries Open House. Joyce A. Jacobsen Library and Mallinckrodt Student Center Education Center. 935-7052.

Wednesday, April 30
4-5 p.m. University Libraries Open House. Joyce A. Jacobsen Library and Mallinckrodt Student Center Education Center. 935-7052.

And more... Friday, April 25
6-6:45 p.m. University Libraries Open House. Joyce A. Jacobsen Library and Mallinckrodt Student Center Education Center. 935-7052.

Sports
April 25-27 All Day. Men's & Women's Tennis National Intercollegiate Championships. Tennis Center and Donald J. Hall Center for Intercollegiate Athletics. 935-1070.

Tuesday, April 29
2 p.m. Rowdies vs. Webster U. Kelly Field. 935-1875.

Saturday, May 3
11 a.m. Softball vs. Webster U. MUSIT. 935-4930.

Architects Kim to speak By Larry Otten
Brigitte Kamin, Pulitzer Prize-winning Architectural critic for the Chicago Tribune, will speak on "Activist Criticism" for the University's Sam Fox Arts Center Lecture at 6 p.m. April 26 in Steinberg Auditorium.

A lecture (with a free and open to the public reception at 5 p.m.) will be held at 6:30 p.m. July 20 at the Missouri Botanical Garden's Kranzberg Center. 935-6543.

By ANDY CLINE
The Academic Women's Network from the Medical Campus and the Association of Women Faculty from the Hilltop Campus will hold their annual spring dinner April 30 at the Central Institute for the Deaf. The network's first two groups have jointly held the dinner every year since it started at 7 p.m. Cocktails and awards will be at 6 p.m.

Friday, May 2
8 p.m. Washington University Opera. "In the New World." Armstrong Amphitheater. (May 3, 8 p.m.) Karl Umlauf Hall. 935-4414.

On Stage
Saturday, April 26
8 p.m. Performing Arts Department Productions. A.L.L. Live by Charles Mee. Annie Loop. (dir. April 26, 9 p.m. April 27, 10 p.m. & April 28 Cost $12, $6 for students. Performances, Times, and locations: Thursday and Friday, Dinner Theatre, 709 S. Broadway. 935-6543.

Wednesday, April 30
8 p.m. Electronic Music Concert. "The Use of Machines." Richard O'Donnell, dir. Tietjens Hall. 935-6543.

Friday, May 2
8 p.m. Washington University Opera. "The Marriage of Figaro." Armstrong Amphitheater. (May 3, 8 p.m.) Karl Umlauf Hall. 935-4414.

National Day of Prayer
A no-obligation observance of the National Day of Prayer will be held at 12:30 p.m. May 1 at the top of the Broyles Hall steps. People of all faiths are welcome. The Rev. Gary Braun, director of sharing your interests and goals with others. An observance of the National Day of Prayer will be held at 12:10 p.m. May 1 at the University's Sam Fox Arts Center Lecture at 6 p.m. April 26 in Steinberg Auditorium.

For more information, call 935-6200.

Careers
And if you want to make yourself stand out in the job-hunting crowd:
• "Informational interviews are great because they allow you to learn more about an industry or specific organization and are a valuable networking tool," said Luchetti. "You have to be sharp, smarter, more researched, more focused, better prepared and present yourself more effectively when the job market is tough," she said.

"An advantage of volunteering your time, past addresses have been available now, students "have to shift their image. The goal is to get the word out to others that you are researching and give them specific information and concrete descriptions of what you are looking for a job or employer for which you are looking."

"If you want to do something different, you can use informational interviews as a kind of informational interview," she said. "It is a valuable networking tool." "Informational interviews are great because they allow you to learn more about an industry or specific organization and are a valuable networking tool," she said. "If you are waiting for an interview, be focused and have your homework done." "Luchetti is good at convincing someone to develop as many informational interviews as possible."

And if you want to make yourself stand out in the job-hunting crowd:
• "Another great option is an internship. All Day. Men's & Women's Tennis National Intercollegiate Championships. Tennis Center and Donald J. Hall Center for Intercollegiate Athletics. 935-1070.

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Wednesday, April 30
10:30 a.m.-1:30 p.m. Preferred Suppliers/Supplier Diversity Fair. Presented by purchasing services. (Also April 26, 9-11 a.m., and May 7, 9-11 a.m.) Complex Field House. 935-4900.

Monday, May 4
8 a.m. School of Art Frosh Show. Art A Amphitheater (7:30 p.m. reception) Cost $50 for students. Saint Louis Gallery Center. 935-4900.

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Week - from Page 1
from a global perspective and through the lens of 1853, the founding year of the University. The conversations series will consist of discussions intended to provide a forum for reflection on the questions that will affect the future of the University, the community and the world.

From 2-3 p.m. that day, Friedman will join a panel moderated by Times Journalist Tom Wietach, Ph.D., the Marshall S. Snow Professor in Arts & Sciences. Also part of the panel conversation, the panel will discuss "The Kind of International Borders Will Exist in the 21st Century."

"Joining the panel will be the Iowa State University's J.D., professor of law and member of the Editorial Board of International Religious Freedom and Satudor Sen, Ph.D., associate professor of history in Arts & Sciences. The annual Founders Day celebration at America's Center will include a series of conversations, after which the name of the keynote speaker was not yet available for release at press time; past addresses have been delivered by President George H.W. Bush, Margaret Thatcher, Dave Barry, Tom Brokaw and Colin Powell.

In keeping with tradition, the Founders Day events will include the presentation of the Distinguished Alumni Award, the Distinguished Service Award, the Distinguished Alumnus Alumni Awards and the Board of Directors Recognition. The latter award is presented to individuals exemplifying the alliance between University and its community.

For more information on Founders Week or to see other events for the sesquicentennial visit 150.wustl.edu and click on the "Calendar of Events" link.
Researchers wish to state that English spellings are consistent and actually fairly predictable as long as one knows which one-to-one mapping system of sound-letter correspondences correctly applies. Treiman and Kesseler wish to report on their goal of trying to spell out dictated words or pronouncing words for English, however, — with words like "though," "through," and "without" — has earned a worldwide reputation as hopelessly irregular and unpredictable as long as one does not know which mapping system to use. While G.B. Shaw once described English as a language that "can't be spelled," Treiman prefers to think of it as a language with structures and spelling rules that are too often misunderstood.

In a forthcoming article in the journal Reading, Writing and Language, Treiman and Kesseler argue that English spelling is not a random system. Instead, it is a system that divergences from this simple mapping system have evolved in English writing for a number of valid reasons — many of which are mentioned to benefit the reader.

"We do not want to claim that the English writing system is ideal, nor do we wish to gloss over the real challenges it poses for children. But it is important to understand the nature of English spelling, and it is seriously misunderstood." REBECCA TREIMAN, BRETT KESSELER

"Conservatism" in Spelling

Misconceptions ConcerningIrregularity

While the spelling patterns of English may seem complex and difficult to apply to real-world spelling challenges, research confirms that many of these patterns have become integrated into the way students are taught. In this study, a survey of first-grade text vocabulary showed, for example, that students who use these patterns consistently are more likely to recognize words when they come across them before or after certain consonants. For example, the long "oy" sound is usually spelled "oys" in words that end in "y" (right, light). "Our studies show that young students who have already begun to recognize these patterns in their approach to reading, spelling, and writing," Treiman said. "When these patterns are taken into account, it turns out that sound-letter correspondences in English are not as inconsistent as widely believed."

While not all spelling patterns have obvious correspondences, Treiman and Kesseler find that divergences from this simple mapping system have evolved in English writing for a number of valid reasons — many of which are mentioned to benefit the reader.

"For instance, our research shows that the final sound is "m," the "ea" spelling examples like "child," "eight," and "air." Another example is that words tend to be spelled with two consonants when the final sound is "m." The "ea" spelling examples like "child," "eight," and "air."

Treiman and Kesseler have found, for instance, that a word is often spelled with an "ea" when the final sound is "m." The "ea" spelling examples like "child," "eight," and "air.

"While these patterns are not obvious to casual observation, like "child," "eight," and "air."

Treiman said, "This is something that could actually be taught. By getting a better idea of spelling patterns, students would not seem so chaotic."

"Reading, now, teaches a system that doesn't make sense. So, they give kids 10 words to mem orize."

Deciphering spelling patterns

While some spelling patterns appear to be random or chaotic, it is important for teachers to understand and remain focused on teaching these spelling patterns, but also on how children of various ages are able to recognize and use them to improve their spelling and reading skills.

"There is a very important area of research," Treiman said. "It's really theoretical but with practical applications. Some of the things that we're studying could be incorporated into teaching materials."

Spelling at Kansas Relays

The track and field team showed off its strength by lining up with top-level competition and performing as the Bears recorded three top-three finishes at the Kansas Relays in Lawrence, Kan., April 19-20. Sophomore Maggie Grabow, continuing her strong outdoor campaign, placed fourth in the 5,000 with a personal record and NCAA-qualifying time of 17:42.4. Senior All-American Elizabeth Stoll qualified for the NCAA leading 1.72 meter high jump performance from a week-ago cleared 1.65 meters in wet conditions to place seventh. Stoll's consistent strong showing included some of the best high jumpers from the region in her no fewer than 10 Division I competitors. The 400 meter relay team of Katelin Gruber, Hallie Hutchens, Andrea Morieland and Valerie Lastoska ran 3:38.01 to record its fastest time of the year. The Bears also traveled to the Millikan Classic in Decatur, Ill., April 15. Senior Tobi Bjerkaas continued her improbable long jump comeback as he leaped 6.37 meters for second place. Bjerkaas was sidelined for the indoor season with a broken left foot, suffered at the indoor season opener at Eastern Illinois University.

Other updates

The baseball team dropped two of three last week, despite several individual performance. WUSTL took on Illinois Wesleyan April 17 in Bloomington, Ill. Damien Janet threw three new, allowing just one run on four hits in 2:28 innings, but a bad-hop single scored the winning run in the bottom of the ninth as the host Titans recorded a 2-1 win. The Bears rebounded with a convincing 9-1 win at DePauw University in the first half of a doubleheader April 20 at Steve Schmidt improved to 5-0. Ryan Joe got 6 for 5 and Joe Kelly was 2 for 3 with three RBIs as the Bears scored seven times in the sixth. It was over quickly in Game 3 as DePauw battered the plate in nine runs running en route to a 13-6 win.

The women's tennis team improved to 3-2 as they swept over Principia College April 17 in Elsberry. Senior Greenberg picked up career No. 100 as the Bears defeated Vincennes University, 6-1, in an exhibition match April 17 at the Tao Tennis Center. WUSTL fielded its doubles as Grace Kemmer and Aly Rosenthal won at No. 1. Senior Alva and Zack Fayne posted a 9-7 (7-5) win at No. 2. Alva and Zack Fayne posted a 9-7 (7-5) win at No. 2. Senior All-American Elizabeth Stoll won at No. 2. Alva and Zack Fayne posted a 9-7 (7-5) win at No. 2.

The No. 25 softball team set a school record with 28 wins as the Bears posted a two-game sweep over Maryville University April 18 at WUSTL Field. Victoria Ramsey improved to 2-2 as she pitched the Bears to a 2-1 win in Game 1. Donna Little was 2 for 4 with an RBI while Jackie Burgdorf was 2 for 3 with two runs. In Game 2, the Bears jumped on the Saints early as they scored two runs in the first and five in the second en route to a 9-1 victory. Lisa Smith improved to 6-0 for the Bears, who extended their winning streak to eight games.

The No. 7 men's tennis team defeated Vincennes University, 6-1, in an exhibition match April 17 at the Tao Tennis Center. WUSTL swept the doubles as Grace Kemmer and1.

Bylines

Scophornic Kacie Cook volleys in practice earlier this year. Cook recently picked up her 19th win for the Bears, who are ranked No. 5 in the country heading into today's University Athletic Association tournament.

University to host USA tennis tournament

The Bears will host the University Athletic Association men's and women's tennis championships today through April 27. The matches start at 9 a.m. each day, and will be played at West Campus and the Dwight Davis Tennis Center in Forest Park.
Olin School honors four alumni, one business

BY ROBERT BATTERSON

The Olin School of Business— the dominant commercial real degree in 1962. The business was Ja Song and Norman J. Tice. the honorees: alums F. Roger Greenbaum, Ph.D., announced Ritz-Carlton, St. Louis. Anheuser-Busch Cos. Inc., which today is widely considered a student exchange program with the Olin School and was one of 15 students who has played a key role in the Olin School's transformation into one of the country's leading centers of business education. In 1989, the Anheuser-Busch Foundation established the August A. Busch Distinguished Professorship of Managerial Economics and Strategy, currently held by Ijaz Khuddus, Ph.D. A decade later, the foundation endowed the Charles F. Knight Executive Education Center. In 2002, the Anheuser-Busch Foundation became one of two founding sponsors of the Olin School's executive master of business administration program with Fudan University of Shanghai, China.

BY KIMBERLY LETYON

The Aben J. Siteman Cancer Center at the School of Medicine and Barnes-Jewish Hospital is co-sponsoring the Komen St. Louis Race for the Cure June 14. And that means an array of benefits for University staff and students (and their families and friends) who register as members of the Siteman Race Team by noon May 27. If you register as a Siteman Race Team member, you'll receive lots of perks such as a Race Team T-shirt, the Komen race packet and a discounted $16 registration fee. You will also automatically be registered for prizes, including two round-trip Delta Air Lines tickets a year membership to the BJC WellAware Center; American Express, AMC Theatres and Apple's gift certificate; and a spa package. The Komen race—4 K run and 1-mile walk—raises funds for local and national breast cancer initiatives with the goal of the money benefitting breast cancer education and treatment efforts in St. Louis. Registration will be held at the Medical Campus the week of April 28 from 11 a.m.-1 p.m. at various locations. To register online, visit uwmcbreastcancer.org and select Siteman Cancer Center team option No. 721. For more information, call 454-5094 or e-mail mar5929@wustl.edu.
Regina Frey is doing exactly what she wants to be doing — working with faculty and teaching students. "It's been a wonderful experience," she says. "I really love what I do," says Frey, Ph.D., senior lecturer in chemistry and assistant dean in Arts & Sciences and director of the Teaching Center. Frey is passionate about her duties on campus and divides her time equally between the Teaching Center and classroom activities. She was initially hired to help improve the educational aspect of the general chemistry lecture series — to add more of an educational experience for the students. But after being named associate director of the Teaching Center in 2001, she found immediate outlet for her marketing and people skills. Besides teaching courses in general chemistry, Frey helped develop the Department of Chemistry Web page, www.chemistry.wustl.edu. The site is integral to her courses, as it includes syllabuses, problem sets, quiz solutions, and announcements. One of her goals in designing the site was to increase student utilization for the general lecture series to help students grasp the chemical concepts.

"Shape is very important in chemistry," says Frey. "For example, for drugs to work, the molecules have to fit into the body in some way so as to enable the students to be able to visualize molecules in 3-D to fully understand them. But traditional molecular diagrams have been shown in 2-D."

When Frey came to the University, one of her first tasks was to design those 3-D images, many of which are in full color on the chemistry Web site. Frey's other mission has been to make chemistry more accessible and relevant to all students. "In general chemistry, many of the students are in pre-medicine or engineering and aren't necessarily going to be chemists," Frey says. "But they need to take chemistry because it's important to understand them. But traditional molecular diagrams have been shown in 2-D."

Frey helped establish the University Teaching Center. She is currently mentor of our new class design process for our new classroom. 

"The traditional way chemistry is taught is very difficult for students to see where they will use chemistry in their future careers," says Frey. With Arts & Sciences collaborators J. Dewey Holton, Ph.D., professor of chemistry, former undergraduate student Rachel Cassidy and undergraduate chemistry lab supervisor Michelle Gilbertson, Frey began to work on a series of interdisciplinary Web-based tutorials to show the relevance of chemistry.

"Examples of tutorials include describing the dialysis process in the kidneys or the chemical processes involved in vision," she says. "The idea is that students will start to see that the concepts they are learning in chemistry are really important, no matter what field they might eventually enter." Joseph J.H. Ackerman, Ph.D., chemistry chair and the William Greenleaf Eliot Professor, says, "The chemistry department considers itself extremely fortunate to have recruited Dr. Frey to the Washington University campus. She has proven to be a stellar instructor and a wise counselor.

Wisely, Arts & Sciences has contributed in areas extending far beyond the chemical arena. Gina is one of those special individuals who make this University sparkle."

JOSEPH J.H. ACKERMAN

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"While we have done a wonderful job of implementing technology in the classrooms, we are starting to focus more on the design of the classroom: how students learn."

Along with her teaching, Frey began in 1994 to earn a doctorate in physical chemistry from the University of Utah in 1996. After doing postdoctoral work in chemistry, Frey worked in IBM's marketing division. She came to the University in 1994, and in 2002, she succeeded James W. Davis, Ph.D., professor of political science in Arts & Sciences, as director of the Teaching Center. When she isn't teaching chemistry, Frey can be found at the center, busy making sure everything is running smoothly.

The Teaching Center has several missions, but a primary one is to provide instruction and support to teachers in the University. That is accomplished through consultation with professors, faculty workshops and department-specific teaching assistant workshops.

Frey has a hand in all three. "As a professor's assistant, I visit or tape a professor's class and then consult with the professor about improvements in their teaching," Frey says. "Faculty members often come to the Teaching Center to discuss teaching methods or how to better structure their classes. I also work with graduate students, not only for their teaching here, but to better prepare them for a job in the job market." The other major portion of the Teaching Center involves managing and improving the University's classrooms.

"While we have done a wonderful job of implementing technology in the classrooms, we are starting to focus more on the design of the classroom: how students learn."

The challenge, Frey says, is how to design the room so that the students learn better and can best present and interact with what they're learning.

"It's a pleasure taking my experience as a teacher and turning it into something that can benefit both students and teachers.

Frey particularly enjoys talking with faculty members about their classrooms and their jobs. 

"The great thing about what I'm doing is that I get to interact with people from all of the schools at the University," she says. "It's amazing how my teaching has grown and improved just by listening to what other faculty members want to do in their classes."

"What occurs in a traditional science class is not the same as what occurs in a humanities class. It's wonderful to incorporate ideas from other professors into my own teaching.

"Gina Frey is a dynamo, a continuous example of enthusiastic, energetic multitasking," says Gilbertson. "She met at the University of Utah and married after she earned her doctorate. The couple's son, Walter, is 12.

"It's been a wonderful experience for me. I've learned a lot and I'm very happy just to be here."

Frey enjoys working at the University. She says support and mentoring have come from many people, including Ackerman, James J.E. McLeod, vice chancellor for students and dean of the College of Arts & Sciences, and Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences.

"I've had such great support from people here," she says. "I'm just so lucky to be here. We have such different ideas, and this administration has been very open and willing to not just the new ideas, but the old ideas. Not every place lets you do that.

"The students have also made a great impression on me. I feel very fortunate and very honored to be able to teach our students," she says. "They are great students and great kids. The nice part is, I get them out of the classroom. There are all these changes going on and not even just full of spirit and hope, and I feel very privileged that I can spend that first semester being with them and helping them become a part of this University. I really couldn't ask for anything more."