Building community bridges
James Herbert Williams named special assistant to chancellor

James Herbert Williams, Ph.D., associate dean of academic affairs in the George Warren Brown School of Social Work, has been named special assistant to the chancellor for urban and community initiatives. Chancellor Mark S. Wrighton announced the appointment.

Williams, who also is the E. Desmond Duggan Professor of Racial and Ethnic Diversity, is the first to be named to the new position. "Professor Williams is in a unique position to build more bridges between the community and the University," Wrighton said. "His leadership role as associate dean in the School of Social Work and his experience in developing community-related programs bring exceptional ability to this important endeavor."

In addition to his duties at GWB, Williams will now work with the University to strengthen its service to the community. "The University already has a strong commitment to the community, as seen in all of the service projects that the individual schools support," Williams said.

"I want to look at all of the community service that the students, faculty and staff have organized in the past and see how the University as a whole can make a bigger and more sustained impact on the St. Louis region." In addition to assessing the University's orientation and parents' Web pages, this group of dedicated individuals worked to ensure that things went smoothly.

"We were very impressed with the amount of information we received and the questions that were answered before we even arrived here."

Jane Jackson, mother of freshman Ben

Greenbaum to step down as business school dean

by Ellen P. Douglas

Stuart L. Greenbaum, Ph.D., dean of the Ohio School of Business, has announced his intention to step down as dean effective June 30, according to Chancellor Mark S. Wrighton. Greenbaum has served as dean since 1995 and was named the Bank of America Professor in July 2000.

"Dean Greenbaum has led the John M. Olm School of Business with distinction, and significant success has been realized in all aspects of the academic enterprise during his tenure as dean," Wrighton said.

The faculty of the school is larger and stronger, and the student body is stronger academically.

"He has been an effective University leader and has helped shape University policy, and he has contributed significantly to the overall advance in visibility and quality of the University," Wrighton continued.

After a search process, Greenbaum plans to assume a full-time position at Bank of America Professor in the Ohio School. The process of identifying his successor will begin immediately, with an aim of having a new dean in place by July 1, Wrighton said.

"The privilege to serve..." See Greenbaum, Page 6

WUSTL to play key role in sequencing moss genome

by Tony Fitzgerald

The University will be directly involved in sequencing the entire genome of the moss Physcomitrella patens at the Joint Genome Institute (JGI) in Walnut Creek, Calif.

The Community Sequencing Program at the U.S. Department of Energy chose a proposal submitted by Ralph S. Quatrano, Ph.D., the Spencer 2; Olm Professor and chair of the Department of Biology in Arts & Sciences, and Brent Mishler, Ph.D., professor of integrative biology and director of the JGI, at the University of California, Berkeley, to sequence the plant's DNA.

The full project will be an international collaboration involving several additional laboratories, including United Kingdom laboratories run by David C. Ecker, Ph.D., and Andrew Cuming, Ph.D.; a German laboratory headed by Ralf Reski, Ph.D.; and a Japanese laboratory directed by Mitsuyasu Hasebe, Ph.D.

The diversity of the researchers will expand the usefulness of the genome sequence into a wide spectrum of research, encompassing how genes function in plants to establish genome evolution.

Although the moss Physcomitrella patens is a small plant, its genome (about a half-billion base pairs) is actually larger than that of the first plant genome ever sequenced.

A colony of 28-day-old Physcomitrella patens grown in laboratory culture showing the leafy shoots in the center, with fine, radiating proto- nema filaments growing outward.

See Moss, Page 6

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See Moss, Page 6

Washington University in St. Louis
Deformed frogs such as this one have been found in wetlands in much of North America. A collaboration involving ecologists at WUSTL and the University of Wisconsin strongly points to farming practices and development, two factors that create a condition called eutrophication in ponds and wetlands, as the cause behind the deformities.

A warm gun

"What we have is a warm gun, not yet a smoking one," said Jonathan Chase, Ph.D., professor in biology of Arts & Sciences. "We have evidence that eutrophication creates a favorable situation for a common snail that thrives on high phosphate and nitrogen levels."

"This particular kind of small, the ramshorn snail, found in pet stores, is the snail needed by a different life stage of the same parasite that causes the deformed frogs. So the small, frog and parasite are entangled with each other in a complicated food web.

Chase had previously studied the ecology of food webs in small ponds and the important role of the ramshorn snail in that web. His assistant, Pietro, a doctoral student in biology at the University of Wisconsin, had studied the role of Roveine ondeg in frog deformities, confirming that deformities were indeed caused by the parasite, and tracing the parasite in the scientific literature to the mid-1880s. At a conference, Johnson heard that the ramshorn snail and realigned the connection between eutrophication caused by increased nutrients, the small and the parasite. The authors published their work in the July issue of Ecology Letters.

"Oh, that tangled web. Here's how the two species make a tag team to create deformed frogs. The adult parasite lives in birds, laying its eggs inside the bird's egg then get excreted as waste in a pond or wetland; the young parasite then has evolved to seek out a ramshorn snail and invade the small, staying in it for up to 20 days when it sheds out and embeds itself in a tadpole. Inside the tadpole, the parasite finds the developing limb bud where it interferes with the development of the cells that will become the limbs of the frog that evolved to find a small for a temporary host and then a tadpole, which create a deformed frog branch, the adult parasite, a sitting duck for a bird.

In their paper, Johnson and Chase show the links between phosphorus, small biomass, the number of amphibians with the parasite, the number of parasites and how likely it is that the frogs will be deformed. They combined data from their studies of ponds in several Midwestern and Western states. It is an ongoing experiment started in the spring, Chase said. "It's the tadpole, not the warm gun." And he Johnson pointed phosphorus and nitrogen into experimental ponds in Wisconsin and saw if they get a higher incidence of ramshorn snails, the parasites and deformed frogs, compared with experimental ponds without those nutrients.

Johnson and Chase's finding adds to the growing list of wrong human activities have visited upon frogs. Studies have shown that certain pesticides cause frogs and toads to become keratinoplastic, impairing reproduction. Furthermore, that the depletion of the ozone layer, caused by industrial pollutants, exposes frogs and frog eggs to increased ultraviolet radiation, which can slow growth rates, damage the immune system and create other health problems.

We're showing that humans have probably created more deformed frogs through eutrophication by way of a series of complex interactions in the pond food web," Chase said. "Add habitat destruction to all of these other causes of deformities. We're questioning that human is messing up frogs left and right."
A real gem Recent graduates (from left) Julia Wisaton, Vennie Bhojraj and Brandon Pierce review research materials in the recently completed sceptroscopy and computer lab that houses the University's new genetic epidemiology master of science — "GEMS" — degree program. The above students were among the first class to graduate last spring with the new genetics degree. Demand for the new specialty is so great that students are employed as analysts for projects in other departments during their program.

Welch wins Society of Nuclear Medicine award

The Society of Nuclear Medicine has given the annual award to Michael J. Welch, Ph.D., professor of radiology, of molecular biology and pharmacology and of chemistry.

The society, which has 15,000 members, gives the award to "a physician whose work has led to a major advance in the field of nuclear medicine and molecular biology that benefits patients.

Welch has been a leader for more than 30 years in the development of imaging agents that have allowed doctors to use positron emission tomography to diagnose an increasingly wide variety of disorders.

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Population Management · Low Back Pain · Foreign Policy

Sports

Friday, Sept. 3
2:30 p.m. Volleyball vs. Bethel. Washington University Classic Athletic Complex. 935-4705.

Saturday, Sept. 4
1 p.m. Football vs. Westminster College. 935-4705.

Saturday, Sept. 7
7 p.m. Men’s Soccer vs. Webster U. Athletic Complex. 935-4705.

Friday, Sept. 10
2:30 p.m. Volleyball vs. St. Olaf. Washington University Classic Athletic Complex. 935-4705.

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10 a.m. Football vs. NDSU. Washington University Classic Athletic Complex. 935-4705.

Worship

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10 a.m. Jewish Shabbat Luncheon. 935-4705.

Saturday, Sept. 11
10 a.m. Shabbat Luncheon. 935-4705.

Sunday, Sept. 12
10 a.m. Kiddush luncheon. (Sponsored by the Student Center, Annelise Mertz Dance Studio.) Cost: $14, $10 for seniors, $12 for students, and $10 for WUSTL faculty and staff. 935-4705.

Lectures

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Friday, Sept. 10

Wednesday, Sept. 8
11 a.m. Assembly Series. "The Stream of Thought and the Sandra L. Franz Skoog Lecture." Slaughter, artist-in-residence, with Indian and perspective." The event is in Keeping with the event's informal atmosphere — is available for $4.

Monday, Sept. 13

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**Arts center awards key grants**

Emily Ruth Pulzow endows $500K fund; Kemper Art Museum receives $125K Tremaine exhibition award

**By Liam Ottens**

A $500,000 gift from Emily Ruth Pulzow, founder and president of the Pulzow Foundation for the Arts, has established the first permanent endowment fund for the Sam Fox Arts Center, a campus-wide umbrella organization for the visual arts and design.

"The project we envision by the income from this endowment will further the missions and purposes of both institutions," Pulzow said. "We are confident that this resource will also strengthen the general community.

Parallel to the Sam Fox Arts Center's practice and study of art, history and architecture, the Pulzow Foundation for the Arts defines itself as a resource for the consumption, enjoyment and study of the arts. Designed by Fyfe Architects, the new winner's architecture, Aalto Studio, the building hosts exhibitions and programs in which the creation of art is perceived as an interaction of artists, scholars and the general public are encouraged.

"Emily Pulzow is a prominent and dedicated advocate for the arts, both in St. Louis and beyond," said Robert E. Smith, Ph.D., Lee Professor for Collaboration in the Arts and director of the University of Missouri St. Louis Career Center and the Mildred Lane Kemper Art Museum.

"We are deeply grateful for her generosity and look forward to working with her and the Pulzow Foundation for years to come," Smith said.

Pulzow, a long-time champion of the arts, serves on the boards of Grand Center and the St. Louis Symphony Orchestra, as well as those of the Museum of Modern Art in New York and the Harvard University Art Museums. Her numerous achievements include founding, in 1986, Arts in Transit, a partnership with National Public Media that completed more than 100 public artworks throughout St. Louis and community enhancements.

In recognition of her enduring support, The Mildred Lane Kemper Art Museum—one of the first five fine art museums in the U.S.—has designated five principal partners — including Pulzow — as the recipients of the Tremaine Exhibition Award. The award, granted every two years, will provide $125,000 in support of Reality Bits: Making Cane Art in Post-War Germany, the inaugural loan exhibition in the museum's new facilities, scheduled to open in fall 2006.

The award, established in 1999, supports innovative experimentation at the curatorial level, funding thematic exhibitions that challenge audiences and the mainstream of contemporary art. This year's other recipient is the Bronx Museum of the Arts, for the exhibition "Street Art, Street Life," which will be curated by Leda Lee and will open in 2007.

Reality Bits is conceived and organized by Sabine Eckmann, Ph.D., curator of the Kemper Art Museum. The exhibition will examine how visual arts have dealt, both directly and indirectly, with the fall of the Berlin Wall in 1989 and the subsequent reunification of East and West Germany, paying particular attention to the interdependence of art and politics, economics and political and cultural worlds.

"The artworks to be presented were all executed in roughly the first decade of the new Germany," said Eckmann, a German native. "They mediate as well as contribute to radical political, geographical and cultural transformations of this time, posing a new relationship between art and the everyday, art and 'reality,' or art and non-use through the type of technology or usages of traditional media.

"Reality Bits will feature approximately 70 artworks, including video, photography, installation, assembly and new multimedia, by both German artists and international artists now living in Germany."

"In contrast to the majority of scholarship on German modern and postmodern art, which focuses on a homogeneous, nationally oriented German art history, Reality Bits will open up possibilities for understanding contemporary art and its relation to the social, economic and political forces," Eckmann said.

"Headquartered in Greenwich, Conn., the Tremaine Foundation was established in 1991 by the Hall Tremaine family, a lifelong collector of contemporary art. Prior to his death in 1987, his work included the collection she built with her husband Burton G. Tremaine, known as one of the world's most exceptional accumulations of contemporary art — sold at auction in 1988 and 1999, generating the foundation's asset base.

On Sept. 9, the St. Louis Black Repertory Company will open its 28th season with an updated performance of "Tell Me Somethin' Good," one of its most popular productions, at Edison Theatre.

Centered and directed by Ron Himes, the Henry E. Hamp- ton Jr. artist-in-residence in the Performing Arts Department in Arts & Sciences and founder and producer/director of the Black Rep, "Tell Me Somethin' Good" is a musical of rhythm and blues that first debuted in 1997.

The updated version will feature more than 60 tunes from "50s doo-wop to contemporary rap and hip hop, including hits such as The Rolling Stones' "Satisfaction," "My Sharona" and "You Really Got a Hold On Me," said Himes. "This show is the perfect vehicle and a perfect chorus feature our original production had with audience members dancing in the aisles."

"That audience involvement is part of what makes this show so successful," said Himes. "Performances, which are hosted by the University, will begin with a pair of previews at 8 p.m. Sept. 8-9. The opening night show will begin at 8 p.m. Sept. 10. Performances will continue through Sept. 19 at 8 p.m. Monday through Saturday and at 2 p.m. Sundays.

The Black Rep is the largest African-American performing arts organization in Missouri and one of the largest in the country. It is committed to developing platforms for theater, dance and other creative expressions from the African-American perspective that heighten the social and cultural awareness of its audiences. Through its educational programs and productions, the company reaches an audience exceeding 150,000 annually.

The Black Rep is a sustaining member of the Arts Education Council and receives support for the performing arts development for the Arts, the Regional Arts Commission, St. Louis, and the Missouri Arts Council, a state agency.

Tickets range from $15-30 and are available by calling the Black Rep Box Office at (314) 531-3838. Special pricing is available as part of a four-show fall subscription. Tickets for "Tell Me Somethin' Good," which feature half-price tickets for patrons age 30 and under, are available for identification.

For more information about the Black Rep, go online to stlouisblackrep.org.

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**Fall music to mark World's Fair centenary**

BY LIAM OTTEN

The Department of Music in Arts & Sciences will mark the centenary of the 1904 World's Fair by including works performed at the fair in concerts throughout its fall season.

The Washington University Chamber Orchestra — under the direction of Elizabeth Macdonald, director of music and international department — will launch the season with a performance at 8 p.m. Sept. 7 in the Umholtz Hall.

The program will include two Beethoven symphonies, op. 34, for string orchestra, by Norwegian composer Edvard Grieg — a work performed at the fair as well as Grieg's "Holberg Suite." Also on the program is John Harbison's "Rider's in the Rain."

Williams has become integral part of GWB administration — from Page 1

University's current community outreach initiatives. Williams will look at how some of these projects can be linked to the St. Louis community and among the partnerships the University has established, identify service projects in the St. Louis community that would benefit from University involvement and work to ensure the member schools have opportunities for undergraduate students who are interested in community service in St. Louis.

He noted that the direction of his work will be influenced by what he hears from community leaders and the University's dean.

"I also joined the University as a faculty member in 1999," said Williams. "I've become an integral part of GWB's administration, first as assistant dean for academic affairs in 2000 and then as associate dean in 2003.

"This appointment ties perfectly into my work as the E. Desmond Lee professor, a position that requires that I bring together intellectual resources to help the St. Louis community develop, look forward to working with the chancellor and the other deans.

Williams' research, scholarship and community involvement identifies him as a leader among the development of young, specifically African-American population through the creation of innovation programs that decrease indifference, encouraging community involvement, and enhance the quality of life for all communities.

His most recent project in St. Louis was with the University's Neighborhoods Initiative, in which Williams worked with the Department of Neighborhoods in north St. Louis to help residents take leadership in the revitalization of their communities.
Freshmen ‘Celebration on the Quad’ follows inauguration — from Page 1

Ben Jackson, a Lien Scholar, fell in love with the University and decided to attend WUSTL over other schools he had applied to, including Harvard, Yale, Brown and Stanford.

"It’s very exciting, and I know he’s going to love it here," Jane Jackson said.

Although it was a matter of course, Ben’s departure wasn’t enough to dampen the spirits of parents and students building temporary dormitories.

The electrical fire knocked out power to a few of the residents.

The electrical fire knocked out power to a few of the residents.

George

In addition to work, students took tours — from Page 2

despite the country’s two recent civil wars and economic decline. When we primarily studied political, economic and geo-strategic issues regarding Georgia, we were also taught the mastery of hospitality, which is rarely esteemed in the world,” Leondaridze said.

In addition to their course and internship work, students were taken on several visits around the world, to such places as medical and archaeological sites, including Mtskheta, an ancient religious site, and Goti, the birthplace of Josef Stalin, who was a member of a Soviet-era Stalin museum.

In a report of the trip, Wertsch said he plans to continue going to Georgia each year with a group of students, possibly sending them to other countries or to other U.S. universities.

"Georgia is an example of a country with an extraordinary cultural heritage, that is, of a country with a past that is important to the interest of the United States.

"It only wish I could do it again next year.”

Moss

NIBB will be seeking future leaders — from Page 1

determined — Arabidopsis thaliana, a simple flowering plant that plant scientists worldwide use as a model for the study of seed plants, and about the same size as the genome of the crop plant rice.

Mosses are concerned to be the first land plants that evolved about 450 million years ago, predating the flowering or seed plants by some 200 million years. Although this nonvascular plant lacks structures such as flowers, true roots and leaves, some of its traits, for instance, survivals extremities of dehydration, may be in use in contemporary crops.

In this moss test, there are fewer and simpler cell and tissue division, even in aging, and undergoing sophisticated genetic manipulation — including the capacity of this organism to integrate transforming DNA into the genome. In addition, the moss produces a unique tool for sophistication genetic manipulation.

Studying the genes that control such traits as tolerance to drought-stress in the moss might provide keys to these characteristics which could be incorporated into flowering plants. Once we have the genome of the moss, we will be able to compare the genome of a simle plant to those of complex plants,” said Quatrano, an internationally renowned moss scientist.

"Knowledge of this plant's genome will allow comparisons between genes to be made that will give us a clearer view as to gene function.

"Also, the basal position of these mosses in the plant phylogeny will clearly lead to further understanding of land plant evolution using comparative genomics. These approaches will open wider doors of understanding into plant genomes.”

Although the genome will be sequenced in the United States, Quatrano expects that the sequencing project represents a true marriage of genetic science, genetic science, International funding by the United Kingdom's Biological and Environmental Research Council to Leeds re-search on the moss Wustl and Leids five years ago that resulted in the so-called ‘Wustl-Leids genome’ project.

"These approaches will provide much needed data for understanding the genome of these mosses by WUSTL's Genome Science Program, which will enable the complete sequence determination of the moss genome, which are expressed, substantially evaluated by the National Institute of Health and the National Science Foundation and the National Institutes of Health. The NIBBB will be involved in the project, and will be providing the DNA sequences and the sequencing of the DNA sequences and the sequencing of the DNA sequences and the sequencing of the DNA sequences.

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A portion of Parking Lot No. 2 — the lower parking area at the south corner of the Hilltop Campus — will be closed through August 2004 due to construction of facilities for the Sam Fox Arts Center.

The net effect of the project will be a new umbrella organization linking the University of St. Louis, the St. Louis College of Pharmacy, and the St. Louis University Health Sciences Campus.

Construction will encompass two new buildings. The 65,000-square-foot Mildred Lane Kemper Art Museum, to be located immediately north of the new residence hall, will house permanent and temporary exhibition galleries as well as a art history offices and classrooms, the Newman Money Museum, the Kenneth N. Kraemer Information Center and the Whitney Center for the Arts.

The 38,000-square-foot Earl & Mary Kay Laboratory building will be located immediately north of Bunny Hall, will house art studios and the Nancy Spruill Kunz Center for the Illustrated Book. When completed, the building will be integrated with Bunny, Steinberg and Givens halls to form a comprehensive, free-build arts complex at the eastern end of the Hilltop Campus.

Bear Cub Fund seeks grant applications
BY JIM DEVITT
"The deadline to apply for the next round of Bear Cub Fund grants is Sept. 15. The fund supports faculty in applied studies not normally supported by federal and state research money. It is to reframe ideas that will have major commercial value.

Individual grants of $20,000 — $50,000 are awarded to support short-term projects.

Last year, the fund awarded a grant to John E. Honn, M.D., professor of pharmacology and physiology, to build a prototype of a redesigned "freezing machine" for freezing biological samples under high pressure. Another grant recipient was Arthur H. Neufeld, Ph.D., the former director of the School of Ophthalmology and Visual Science and professor of molecular biology and pharmacology, who is working on the development of therapeutics to block production of nitric oxide in glaucoma.

Thomas J. Barnardi, M.D., Ph.D., an associate professor of medicine and of molecular biology and pharmacology and Cagan, Ph.D., professor of molecular biology and pharmacology, shared a grant to study screening methods for gene products involved in cancer and diabetes.

David M. Zare, research associate in computer science, has been granted a build and test a device created specifically for use in cancer and diabetes.

Additionally, University Police have called the Sigma Kappa fraternity house basement and a Jeep that was parked on Snow Street were broken into.

It is the second incident in which the fraternity house basement and a Jeep that was parked on Snow Street were broken into.

The mail services will remain on the Hilltop at the Campus Post Office by the Millbrook Parking Lot. The Hilltop Campus Post Office, will be located — for the first time — in the same building.

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Stirring the low-carb pot

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