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Aug. 12, 2005

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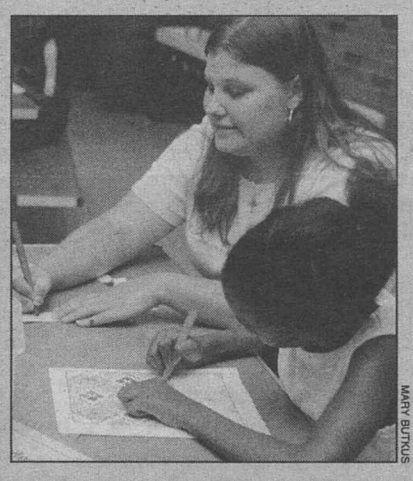
Washington University in St. Louis

MARY BUTKUS

JOE ANGELES



MARY BUTKUS

Days of Caring At top (from left), Judy O'Leary, administrative assistant in the Center for Human Values, Libby Gutberlet, associate director of devlopment for the School of Engineering & Applied Science, and Dorothy Negri, administrative assistant in the Department of English in Arts & Sciences, sort backpacks at the Saint Patrick Center Aug. 8 as part of a clothing distribution program for the homeless. At bottom left, Kris Smith of the Resource Management Department at West Campus helps a child finger-paint at the Shenandoah Elementary After School Program/Progressive Youth Connection July 13. And at bottom right, Catherine Reitz of the School of Medicine alumni & development office helps a child at the Webster Groves Child Care Center at Laclede Groves on July 14. The volunteer effort was part of the University's Days of Caring initiative, which encompassed nine volunteer missions to community schools and group homes.

Sam Fox School of Design & Visual Arts

Art, Architecture are reconfigured

By Liam Otten

The Sam Fox School of Design & Visual Arts will reconfigure its nationally ranked programs in architecture and art, Chancellor Mark S. Wrighton announced Aug. 3.

Effective immediately, the School of Architecture will be organized as the undergraduate College of Architecture and the Graduate School of Architecture & Urban Design.

Similarly, the School of Art will become the undergraduate College of Art and the Graduate School of Art.

"Graduate and professional education is a key priority for Washington University," said Wrighton, noting that approximately half of all WUSTL students — about 6,000 — are candidates for master's or doctoral degrees. "Creation of the Graduate School of Architecture & Urban Design and the Graduate School of Art as units within the Sam Fox School will help foster a more robust academic environment, one that will further our ability to train the next generation of leaders in these disciplines."

The new nomenclature follows the model of Arts & Sciences, which includes the undergraduate College of Arts & Sciences and the Graduate School of Arts & Sciences.

Jeff Pike, who has served as dean of Art since 1999, will continue to lead both the College of Art and the Graduate School of Art.

Jerome J. Sincoff, who succeeded Cynthia Weese as dean of architecture in July, will lead the College of Architecture and the Graduate School of Architecture & Urban Design.

Both will report to the dean of the Sam Fox School. A national search for that dean is now under way.

Sincoff noted that, while the Sam Fox School remains committed to strong undergraduate programs in art and architecture, formation of the new graduate schools builds on a series of recent initiatives designed to improve graduate and professional education.

"In recent years, Architecture has launched a post-professional master of urban design degree, which draws on architecture, landscape and planning perspectives," Sincoff said.

"At the same time, we've launched a series of dual-degree programs that take advantage of our setting within a larger university. These allow students to combine a master of architecture or a master of urban design with a master of business administra-

See **School**, Page 6

Video gamers' brains wired same as nongamers

By Alison Drain

Video games, which reveal disconnects between a set of young television addicts and their elders, could bridge a generation gap.

While "Mortal Kombat," "Grand Theft Auto" or "Halo" may be foreign to aging generations, a study out of Washington University and the University of Toronto suggests that video games like these promote a kind of mental "expertise" that could prove to be useful in the nonvirtual world — potentially in rehabilitation and for the elderly.

Alan Castel, Ph.D., postdoctorate fellow in psychology in Arts & Sciences, conducted a study to examine how video games can lead to a degree of expertise in certain domains, and how that might influence video game players' visual search patterns.

Castel's research compared 20 college-aged, expert video game players — those who log at least 10, and upwards of 20, hours of game time per week — with nonplayers to determine how video game specialization influences human visual attention capacity and our environmental stimuli search patterns.

Castel found, in short, that gamers showed a 20 percent reduction in response times as opposed to nongamers, averaging reactions 100 milliseconds speedier than nonplayers.

Normal visual search habits reflect our impatience — rather than wait, we anticipate. If we have recently

See **Gamers**, Page 6

Neurotransmitters signal aggressive cancer, offer potential for early diagnosis

By Gwen Ericson

Nerves talk to each other using chemicals called neurotransmitters. One of those "communication chemicals," aptly named GABA (gamma amino butyric acid), shows up in unusually high amounts in some aggressive tumors, according to a School of Medicine study.

Researchers investigated metastatic neuroendocrine tumors, which include aggressive types of lung, thyroid and prostate cancers that spread to other parts of the body. Their study appeared in a recent issue of the *Proceedings of the National Academy of Sciences*.

Gordon

"GABA appears to be an indicator of a bad prognosis for these cancers," said Jeffrey I. Gordon, M.D., director of the University's Center for Genome Sciences and the Dr. Robert J. Glaser Distinguished University Professor. "But there's hope in our ability to identify substances, like GABA, that are associated with metastatic tumors.

"Usually these tumors are diagnosed only after they have spread to other parts of the body, but now we have the potential to recognize them before they metastasize."

Elevated amounts of GABA were discovered in an analysis of aggressive neuroendocrine prostate tumors in genetically engineered mice. Along with GABA, two other substances were seen — one a related neurotransmitter and the other a plant-growth hormone with an unknown function in animals.

Furthermore, the researchers found that the tumors made GABA using a different set of biochemical reactions than normal. Key enzymes involved in the production of these compounds were switched on in poor-prognosis malignant metastatic tumors.

"The mouse model was an important beginning point for our investigation," said the study's lead author, Joseph E. Ippolito, a graduate research assistant in the University's National Institutes of Health-supported Medical Scientist Training Program. "We took information about what genes were expressed in the mouse tumors, made computer-assisted predictions about what type of

See **Diagnosis**, Page 6

Giuliani to be keynote speaker at Founders Day

By Barbara Rea

National hero and legendary New York mayor Rudolph Giuliani will give the keynote address at this year's Founders Day celebration Nov. 5 at America's Center.

In addition to the talk, the event will include the presentation of Distinguished Alumni and Distinguished Faculty awards, as well as the Robert S. Brookings Awards.

Sept. 11, 2001, was the day Giuliani expected to begin his decline in stature. It was primary-election day — the day New Yorkers would choose his successor.

Giuliani

What actually happened was the reverse.

When the Twin Towers at the World Trade Center fell, Giuliani became the Winston Churchill of his day, brilliantly leading New York — and in some senses, the country — through one of the most devastating times in our history. For his leadership, courage and inspiration, Giuliani was named *Time* magazine's Person of the Year.

The grandson of Italian immigrants, Giuliani earned a bachelor's degree from Manhattan College.

After earning a law degree

See **Giuliani**, Page 7

School of Medicine Update

Macones named head of OB-GYN

BY DON CLAYTON

George A. Macones, M.D., has been named head of the Department of Obstetrics and Gynecology and the Elaine and Mitchell Yanow Professor.

Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine, announced Macones' appointment, effective Sept. 1.

Macones will replace James R. Schreiber, M.D., who has served as head of obstetrics and gynecology since 1991.

"Dr. Macones is a recognized leader with impressive accomplishments as a teacher, researcher and clinician," Shapiro said. "He is a physician-scholar ideally suited to take the reins of our obstetrics and gynecology department, which has flourished under the leadership of Dr. Schreiber, and is poised to reach new heights.

"Dr. Macones' administrative talents will ensure that the department's federal and private research funding continue to grow and that our medical training and clinical care programs are among the top tier in the nation."

Macones

Macones also will become chief of obstetrics and gynecology at Barnes-Jewish Hospital, and will work with school and hospital leaders to manage the institutions' combined clinical and teaching programs.

He also will direct the high-risk obstetrical and gynecological oncology services University physicians provide at Missouri Baptist Medical Center.

Macones comes to the University from the University of Pennsylvania School of Medicine, where he was associate professor of obstetrics and gynecology and of epidemiology.

He's a specialist in maternal-fetal medicine, with expertise in managing medically complicated pregnancies and those at risk for preterm birth.

He is internationally recognized for his clinical research in reproduction. Macones has authored or co-authored more than 100 scientific articles, many focusing on issues related to preterm birth and complicated deliveries. He also serves on the editorial board of several major research journals.

Macones has been recognized for his research with awards from the Society of Maternal-Fetal Medicine and the American College of Obstetricians and Gynecologists.

He has served on national committees, including roles on advisory committees at the National Institutes of Health and the Food and Drug Administration.

He's also active in the certification process with the American Board of Obstetrics and Gynecology and continues to serve the American College of Obstetricians and Gynecologists on several national committees.

Board-certified both in general obstetrics and gynecology and in the subspecialty of maternal-fetal medicine, Macones has served as director of obstetrics and director of the Division of Maternal-Fetal Medicine at the Hospital of the University of Pennsylvania for the past five years.

He is a fellow of the American College of Obstetricians and Gynecologists and of the Society for Maternal-Fetal Medicine. Macones holds membership in the American College of Epidemiology, the Society for Gynecologic Investigation and the American Gynecological and Obstetrical Society.

Macones earned a medical degree from Jefferson Medical College in 1998 and a master of science degree in clinical epidemiology from the University of Pennsylvania in 1996.

He completed a fellowship in maternal-fetal medicine at Jefferson Medical College in 1994.

Funds endowing the Elaine and Mitchell Yanow professorship were provided by Mitchell Yanow, M.D., in 1997, and the professorship was first held by Schreiber.

"I am excited to be joining the faculty at Washington University and being an active member of the University community," Macones said.

"I look forward to building upon the tradition of excellence within the department established under the leadership of Dr. Schreiber and am particularly honored to hold the Elaine and Mitchell Yanow professorship."

Yanow, an alumnus of Washington University and the School of Medicine, was a member of the medical school's National Council.

He received the University's Brookings Award and the Distinguished Alumnus Award. In addition to a long and accomplished medical career, Yanow was cofounder and board chairman of Medicine Shoppe International, Inc. Yanow died in 1998 at age 80.

Schreiber announced last year that it was his intention to retire from administrative duties as department head in 2005 and to return full-time to teaching, research and clinical care.

An international search was launched for his successor.

Schreiber's clinical interests have been in evaluating treatments for infertility and developing therapy for recurrent spontaneous miscarriage.

Under Schreiber's leadership, the research activities of the department have grown substantially.

Schreiber is also credited with enhancing the resident physician and postgraduate fellowship training programs in association with Barnes-Jewish Hospital.

He also struck a groundbreaking contractual agreement with Missouri Baptist Medical Center, in which University specialists would provide consultative and patient-care services for high-risk obstetrical and gynecologic oncology patients at the hospital.

Tarr installed as Carnahan professor

BY KIM LEYDIG

Phillip I. Tarr, M.D., head of pediatric gastroenterology and professor of pediatrics, was recently installed as the first Melvin E. Carnahan Professor in Pediatrics.

The professorship was established by an anonymous donor in honor of the late Missouri Gov. Mel Carnahan, who was killed in a plane crash in October 2000.

The donor chose to name the professorship after Carnahan to honor and remember the governor because "he was a great man, a great governor and a great person, who did all he could for children."

"This distinguished professorship will forever recognize and honor a man who has meant a great deal to the state of Missouri," said Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine.

"We are honored that the Carnahan name will be associated with Washington University in perpetuity through this endowed professorship for one of our most outstanding faculty members."

The donor's high regard for School of Medicine pediatricians offered an ideal fit for the Carnahan professorship.

"I am deeply grateful to our generous and thoughtful donor for such a meaningful contribution," Chancellor Mark S. Wrighton said. "This new professorship is a wonderful tribute to the Carnahan legacy in light of the family's long-standing advocacy of children's issues, especially education and children's health. Dr. Tarr is a most worthy recipient of this recognition."

Alan L. Schwartz, Ph.D., M.D., the Harriet B. Spoehrer Professor of Pediatrics and head of the Department of Pediatrics added, "Phil Tarr's background in pediatric infectious diseases and gastroenterology, coupled with his strong clinical and teaching commitments, make him a great match for this position."

ROBERT BOSTON

Phillip I. Tarr, M.D., head of pediatric gastroenterology and the first Melvin E. Carnahan Professor in Pediatrics, reviews a radiograph.

Tarr researches how *E. coli* infects humans and cattle, and the underlying mechanisms of gastrointestinal problems that result from *E. coli* infection and treatment approaches for the infection.

In the fall of 2002, Tarr came to Washington University from the University of Washington and Children's Hospital and Regional Medical Center in Seattle, where he was a professor of pediatrics and of microbiology.

Tarr earned a bachelor's degree from Brown University and a medical degree from Yale University.

"It's an honor to hold this professorship as it will supply much needed flexibility and support and will permit us to ask novel questions and to embark on creative projects," Tarr said. "Washington University hopes this research can evolve into opportunities that amalgamate scientific discovery and patient care."

Carnahan was in the midst of campaigning for a seat in the U.S. Senate when his plane crashed, killing him; his son, Randy; and senior campaign adviser, Chris Sifford.

Carnahan won the race posthumously and his wife, Jean, was named to the seat.

Both Mel and Jean graduated from George Washington University. He served in the Air Force and then earned a law degree at the University of Missouri Law School.

The governor's administration focused on improving the quality of Missouri's academic and technical education programs.

As a U.S. senator, Jean championed children's issues and was the chief lobbyist for one of her husband's major achievements — the passage of legislation to fund day-care and pre-school services at local schools.

The Carnahan children continue in their parents' political footsteps.

Robin is secretary of state and Russ holds the 3rd District Congressional seat. Tom is a real-estate developer and helps his siblings with their campaigns.

Van Essen elected president of neuroscience society

BY MICHAEL C. PURDY

David Van Essen, Ph.D., the Edison Professor of Neurobiology and head of the Department of Anatomy and Neurobiology, has been elected president of the Society for Neuroscience, the world's largest organization for scientists who study the brain.

Van Essen, a leading investigator of the structure and function of the cerebral cortex in primates, will officially become president-elect at the society's annual meeting in November in Washington, D.C. His one-year term as president starts at the society's 2006 meeting.

Van Essen is the fourth University neuroscientist and third head of the Department of Anatomy and Neurobiology to be elected president of the society. He previously served as secretary of the society for two years.

Founded in 1970, the society has 36,000 members and hosts one of the scientific community's largest annual meetings. Last year's meeting drew more than 31,000 attendees.

"The society puts great effort into ensuring the annual meeting is the preferred place for specialists to go every year to be up-to-date with what's happening in their area and to branch out and explore other specialties," Van Essen said.

The society's other missions include publishing *The Journal of Neuroscience*, advocating for neuroscience research funding by government agencies and private foundations and communicating the importance and excitement of neuroscience research to the public.

FILE PHOTO

David Van Essen, Ph.D. (left), discusses parts of the brain with colleagues. Van Essen is the fourth University neuroscientist to be elected president of the Society for Neuroscience.

"One perspective I'll bring to the presidency is the importance of effective communication through many means, particularly electronic communication via the Internet," said Van Essen, who oversaw the journal's transition to online publication while he was the editor in chief of *The Journal of Neuroscience*.

Van Essen endorses the society's recent activities in support of neuroinformatics, a new field focused on making many types of neuroscientific data, ranging from the molecular components of the brain to human neuroimaging discoveries, available online in easily searchable formats.

"I believe the society can play a valuable coordinating role, striving to ensure that ongoing neuroinformatics efforts yield maximum benefit to the community at large," he said.

Two previous heads of the Department of Anatomy and Neurobiology, Max Cowan, M.D., Ph.D., and Gerald Fischbach, M.D., also served as society presidents. Dennis Choi, M.D., Ph.D., former head of the Department of Neurology, was also a society president.

School of Medicine Update

First Loeb teaching fellowships announced

BY KIM LEYDIG

Elliot E. Abbey, M.D., Martin I. Boyer, M.D., Mary E. Klingensmith, M.D., and Jane Loitman, M.D., were recently named the inaugural recipients of the Carol B. and Jerome T. Loeb Teaching Fellowships.

The fellowship program was established last year by a gift from the Loebs to advance clinical education and to honor local physicians committed to clinical excellence.

The fellows were selected for their long-standing record of excellence in patient care and clinical teaching and for proposing a plan to address new or unmet clinical teaching needs for residents and medical students.

"Members of the selection committee reviewed a large number of impressive applications from talented faculty whose proposals made the award process quite challenging," said Larry J. Shapiro, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine.

"The Loeb fellowship program will contribute to the educational experiences of the nation's best medical students and residents and is an important contribution to advancing our education and patient-care goals at the School of Medicine."

The fellows will be appointed Sept. 1, and the appointments will run for two-year terms.

The Loeb fellowship program — which was substantially augmented by a gift from the BJH Foundation — will enable the four physicians to carve out time from their regular duties and dedicate a significant amount of time to teaching clinical medicine to students and residents.

Renowned for his long history of teaching excellence and numerous awards for inspirational teaching, **Elliot E. Abbey**, clinical professor of medicine, was selected as a Loeb fellow for his proposal to launch a Learning Compassionate Care Program at the Siteman Cancer Center.

> "Elliot, Martin, Mary and Jane have extraordinary clinical skills and are dedicated to teaching excellence. These physicians demonstrate the compassionate, high-quality care the Loebs envisioned when they generously established the Loeb fellowship program."
>
> LARRY J. SHAPIRO

A pilot study for the program — designed to strengthen the doctor-patient relationship with cancer patients — was initiated in 2004 and will serve as a model for the Learning Compassionate Care Program.

Abbey specializes in medical oncology and hematology and also served as course master for "Clinical Medicine I" and "Clinicial Medicine II" from 1993-2000.

Martin I. Boyer, director of the Orthopaedic Surgery Education Program for Medical Students, was chosen as a Loeb fellow for his proposal to energize the undergraduate musculoskeletal program by designing a "Musculoskeletal Curriculum," a more detailed program that will enhance the current orthopaedics course.

Boyer, also chief of the Orthopaedic Hand and Wrist Service and an associate professor of orthopaedic surgery, is a member of the American Academy of Orthopaedic Surgeons Medical Student, Resident and Fellow Education Committee and was recently appointed to the academy.

Mary E. Klingensmith, director of the Surgical Skills Laboratory, will develop a "Simulation Curriculum" as a Loeb fellow.

Klingensmith chaired the Simulation in Medical Education Task Force from 2004-05 and was awarded the Arthur Tracy Cabot Surgical Teaching Fellowship in 1999 for her dedication to resident education.

Klingensmith also is an assistant professor of surgery, specializing in minimally invasive gastrointestinal surgery.

As a fellow, **Jane Loitman**, medical director of the Palliative Care Service at Barnes-Jewish Hospital, will develop and implement a new curriculum in palliative medicine, a new medical specialty that involves the "active total care of patients whose diseases are not responsive to curative treatments."

Loitman, an instructor of clinical medicine, will design a program that focuses on education in palliative medicine while specifically meeting the needs of medical students, residents and fellows.

"Elliot, Martin, Mary and Jane have extraordinary clinical skills and are dedicated to teaching excellence," Shapiro said.

"These physicians demonstrate the compassionate, high-quality care the Loebs envisioned when they generously established the Loeb fellowship program."

ROBERT BOSTON

Striking a nerve Mark P. Goldberg, M.D. (left), professor of neurology and the scientific director of the Hope Center for Neurological Disorders, and David M. Holtzman, M.D., the Gretchen P. Jones Professor of Neurology and head of the department, admire sculptor Jessie Vonk's (center) *In Shadow of the Rock*. Vonk, the widow of former Saint Louis Symphony conductor Hans Vonk, donated the 500-pound work in granite and bronze at the sculpture's unveiling ceremony at the Hope Center in May. Hans Vonk was treated at the Medical Campus for Lou Gehrig's disease.

Wright named head team physician for Cardinals

BY JIM DRYDEN

The University and the St. Louis Cardinals have appointed Rick W. Wright, M.D., as the head team physician.

Wright, who has been an assistant team physician with the Cardinals since 1998 and covers many of the team's home games, replaces George A. Paletta Jr., M.D.

Paletta resigned from the University to pursue other interests. Wright immediately became the head team physician to ensure the medical team's leadership remained in place as the Cardinals approach the final third of the regular season.

Wright

"As an assistant team physician since the beginning of our relationship with the Cardinals, Rick Wright is immensely qualified and perfectly positioned to oversee medical care for the players," said Richard H. Gelberman, M.D., head of orthopaedic surgery.

"He knows the players' health situations well and will provide a seamless transition.

"Dr. Wright is a nationally recognized sports medicine specialist and a leading researcher. Drs. Wright and Paletta have worked together with the Cardinals for seven years.

"We thank George Paletta for his efforts on the team's behalf throughout this period and for his service to the University."

Though not a team physician, Paletta will provide some medical services on an occasional basis to preserve continuity of care and a smooth transition.

"George and I have been working together and communicating about the players and their injuries to ensure this will be a smooth transition," Wright said.

"The plan is for it not to affect the baseball team in any way."

As head team physician, Wright will have primary responsibility for the players' medical care and will coordinate services provided by other University physicians, working closely with the Cardinals' training staff, led by Barry Weinberg, and with Gelberman.

Wright's responsibilities also include managing care of players in the organization's six-team minor-league system.

Wright, also a member of the medical team for the Rams and Blues, is an assistant professor of orthopaedic surgery and a specialist in sports medicine and minimally invasive surgery to repair joint problems involving the shoulder, elbow, knee, foot and ankle.

Gulf War veterans have more chronic fatigue, fibromyalgia

BY MICHAEL C. PURDY

More than a decade after the first Gulf War in 1991, a detailed comparison of the health of veterans who were deployed to the Persian Gulf region and veterans who served elsewhere has found that the health of the two groups is very similar.

However, the study also found that Gulf War veterans are more likely to have chronic fatigue syndrome and fibromyalgia syndrome.

The proportion of Gulf War veterans with these two illnesses is very small, according to lead author Seth Eisen, M.D., physician at the St. Louis Veterans Affairs (VA) Medical Center and professor of medicine and of psychiatry.

"But that doesn't mean these conditions aren't serious concerns for those veterans who still have them 10 years later," Eisen said.

Fibromyalgia syndrome afflicts sufferers with persistent, widespread pain. Chronic fatigue syndrome causes a disabling loss of energy.

Despite decades of awareness of both conditions, their causes remain unclear, and no definitive cure exists for either.

The study, funded by the Department of Veterans Affairs, appeared in a recent issue of the *Annals of Internal Medicine*.

The research was conducted at 16 VA medical centers across the nation over a period of approximately three years. For the study, researchers performed a detailed series of medical and psychiatric assessments on approximately 1,100 veterans deployed to the Gulf War region and 1,100 veterans who were not deployed in that war.

"In addition to a comprehensive standard medical examination, we arranged a series of very specialized tests based on areas of potential problems suggested by earlier studies of veterans," Eisen said.

Based on their age, gender and racial characteristics, there were no significant differences between rates of chronic fatigue and fibromyalgia in the non-deployed veterans and in the general population.

However, while 0.1 percent of non-deployed veterans met the criteria for chronic fatigue, 1.6 percent of the deployed veterans did.

"When statistically adjusted, that's a risk of chronic fatigue 40 times higher in the deployed veterans than in the non-deployed veterans," Eisen said. "That's statistically very significant."

Similarly, while about 1.2 percent of the non-deployed veterans had fibromyalgia, a significantly higher 2 percent of deployed veterans had the persistent, diffuse pain that is characteristic of the disorder.

Although researchers have yet to give a formal medical definition to Gulf War syndrome, Eisen said the findings affirm that a very small percentage of Gulf War veterans are at increased risk of disabling long-term medical conditions.

Given that fibromyalgia and chronic fatigue can develop in non-veterans who have never even left their home city, let alone the country, scientists are unsure what factors in the Gulf War combat might explain the increased risk of these conditions in veterans.

"We also don't know of anything special in regard to how to treat Gulf War-deployed veterans with these syndromes compared to people who were never in the military," Eisen said. "Often the most important thing for someone who's not feeling well is to know that they have a medically recognized condition. And that their condition will not damage any of their vital organs."

Eisen noted that physicians often advise patients with these conditions to try to keep a physically active schedule. Research into the causes and treatments of both disorders is ongoing.

"Any research advances made in studying Gulf War veterans specifically are very likely to help individuals with these syndromes in the general community and vice-versa," Eisen said.

Other conditions with increased incidence in deployed veterans included upset stomach and skin rashes.

Eisen and his co-authors are further analyzing the data they gathered on veterans and their family members.

Service First: More than 1,000 students to volunteer their time

BY NEIL SCHOENHERR

Fresh off a summer of pool parties and video games, members of the WUSTL Class of 2009 will get to work as soon as they step onto campus.

More than 1,000 University students, mainly newly arrived freshmen, will volunteer their time Sept. 3 to paint, landscape, clean and beautify 11 St. Louis public schools to make the school year more enjoyable for students and their teachers.

It's all part of the seventh annual Service First, an initiative that introduces first-year University students to community service in the St. Louis area.

This year's projects will range from painting indoor and outdoor murals and painting activities and maps on playgrounds, to creating bulletin boards and preparing classrooms. The bulk of the work will take place from 1-4 p.m.

"This is such a wonderful event," said Stephanie Kurtzman, director of community service and manager of Service First. "It's a great way for our incoming freshmen to get to know each other and to make a meaningful contribution to the community in which they will live for the next four years.

"Since its inception, Service First has become very popular with both students and the schools we are able to help."

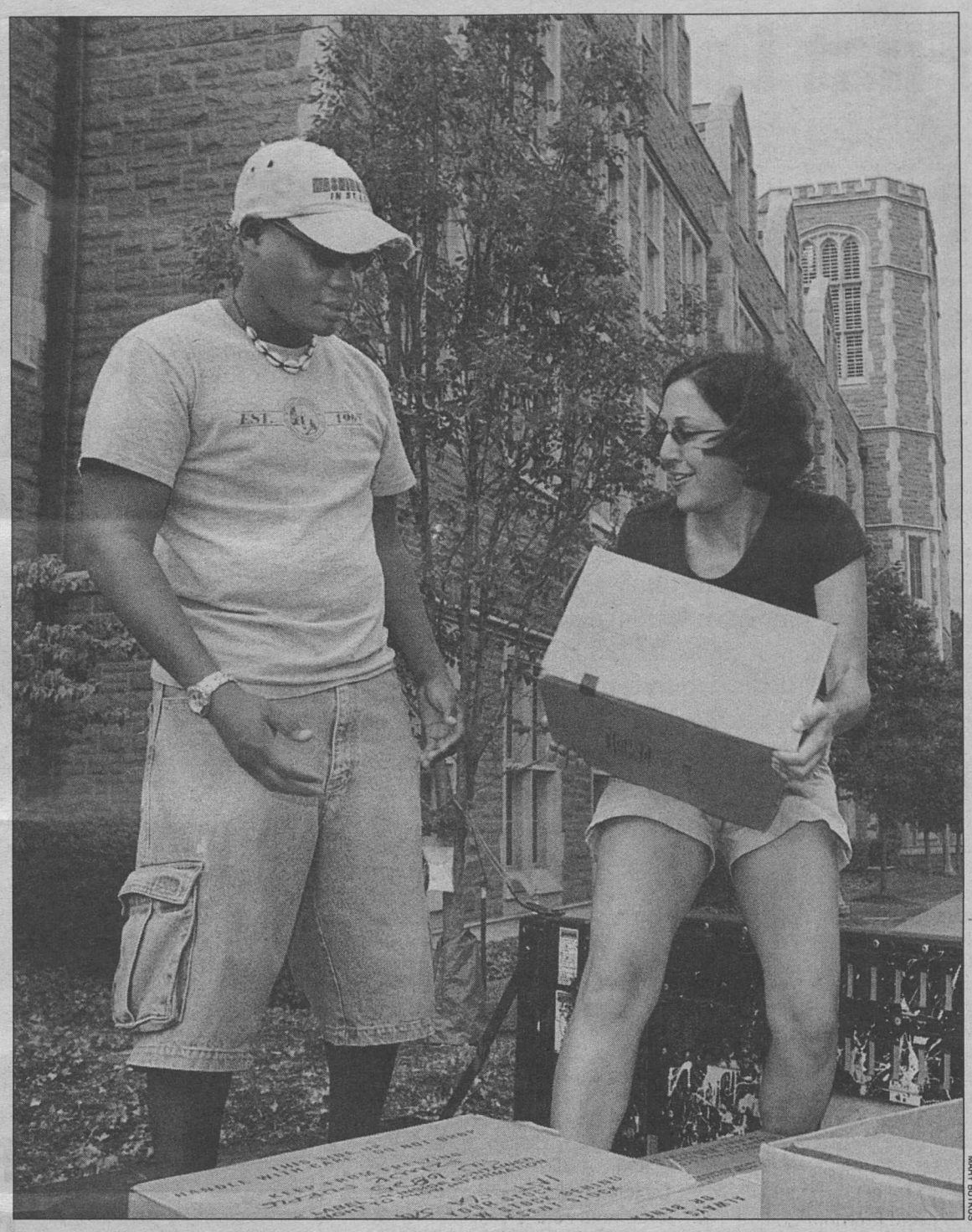
Upon returning to the University after a day of work, students will participate in a Community Service Fair and barbecue featuring more than 30 student-run organizations that focus on community service. It allows students to learn more about opportunities in which to get involved during their time at college.

Service First is co-sponsored this year by Sherwin-Williams, The Women's Society of Washington University, Student Union, Congress of the South 40 and St. Louis Public Schools, among others.

Service First began in 1999 with about 600 student volunteers helping to clean and beautify scenic trails. It has grown and flourished every year since.

Schools to be visited this year are Adams, Bryan Hill, Clark, Cote Brilliante, Dewey, Farragut, Hickey, Humboldt, Madison/Waring, Roosevelt and Washington/Euclid.

For more information, call Kurtzman at 935-5066.



MARY BUTKUS

Ozie Goodwin, assistant coordinator for community service, and Stephanie Kurtzman, director of community service, unload paint donated by Sherwin-Williams in preparation for the seventh annual Service First Sept. 3. Two hundred eighty-one gallons of paint were unloaded and organized. The paint will be used by more than 1,000 student volunteers to help beautify 11 St. Louis public schools for the upcoming school year.

University Events

Plate Tectonics • Cardiology Update

"University Events" lists a portion of the activities taking place Aug. 12-Sept. 1 at Washington University. Visit the Web for expanded calendars for the Hilltop Campus (calendar.wustl.edu) and the School of Medicine (medschool.wustl.edu/calendars.html).

How to submit 'University Events'

Submit "University Events" items to Genevieve Podleski of the *Record* staff via:

(1) **e-mail** — recordcalendar@wustl.edu;
(2) **campus mail** — Campus Box 1070; or
(3) **fax** — 935-4259.

Deadline for submissions is noon on the Thursday eight days prior to the publication date.

Lectures

Friday, Aug. 12

9:15 a.m. Pediatric Grand Rounds. "Pediatric Interventional Cardiology Update." David Balzer, assoc. prof. of pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

4:15 p.m. Earth & Planetary Sciences Colloquium. "When Did Subduction/Plate Tectonics Start?" Robert J. Stern, prof. & head of geosciences, U. of Texas, Dallas. Earth & Planetary Sciences Bldg., Rm. 203. 935-5610.

Tuesday, Aug. 16

8:30 a.m.-4:30 p.m. Center for the Application of Information Technology Two-Day Workshop. "The Politics of IT Project Management." (Continues 8:30 a.m.-4:30 p.m. Aug. 17.) Cost; $1,195, reduced fees available for CAIT member organizations. CAIT, 5 N. Jackson Ave. 935-4444.

Friday, Aug. 26

9:15 a.m. Pediatric Grand Rounds. "The Three 'B's' of Insulin Treatment for Type I Diabetes: Basal, Bolus and Blood Sugar Monitoring." Abby S. Hollander, assoc. prof. of pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

Wednesday, Aug. 31

7:30-9:30 a.m. Center for the Application of Information Technology Seminar. "Leveraging IT to Drive Corporate Innovation." R. Keith Sawyer, assoc. prof. of education. St. Louis Science Center, Mission Control Rm. To register: 935-4444.

Thursday, Sept. 1

Noon. Center for Health Policy Brown Bag Seminar Series. "Emerging Public Health Policy Issues." Leslie Reed, vice pres. for health policy, Mo. Foundation for Health. Simon Hall, Rm. 241. 935-9108.

4:15 p.m. Earth & Planetary Sciences Colloquium. "Reconstruction of Archean and Paleoproterozoic Microbial Communities and Biogeochemical Cycles." Carrine Blank, asst. prof. of earth & planetary sciences. Earth & Planetary Sciences Bldg., Rm 203. 935-5610.

Campus Watch

The following incidents were reported to University Police **July 12-Aug.9**. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This information is provided as a public service to promote safety awareness and is available on the University Police Web site at police.wustl.edu.

Aug. 1

8:32 a.m. — Between 5 p.m. July 29 and 8:20 a.m. Aug. 1, an unknown person entered an office in the basement of the Alumni House and took a black Dell Flat Screen Desktop Computer. On Aug. 1, the office door was found propped open with a doorstop. No pry marks could be located on the office door or on the outside of the window. Total loss is estimated at $2,000.

Aug. 4

5:22 p.m. — A person reported that someone entered his Prince Hall office in the previous three weeks and stole a computer. There were no signs of forced entry. An investigation is continuing.

Additionally, University Police responded to five larcenies, three parking violations, three trespasses, two auto accidents, two disturbances and one report each of motor vehicle theft, receiving stolen property, suspicious person, fire and property damage.

News Analysis

Richards: Ideological disagreements aside, long confirmation fight would be a mistake

BY JESSICA MARTIN

President Bush's nomination of John Roberts to fill the Supreme Court vacancy created by Sandra Day O'Connor's retirement has the potential to spark a messy confirmation process, said Neil Richards, J.D., former law clerk for Chief Justice William Rehnquist and associate professor in the School of Law.

"I think that both sides have been preparing for a war that seems inevitable regardless of whoever was nominated," Richards said. "The president was always likely to select a judicial conservative, and while I think he picked one of the very best of that pool in terms of talent and temperament, liberals are likely to attack Judge Roberts' affiliation with and representation of Republican legal causes.

"In addition, because the president selected a man to replace Justice O'Connor, the first female high-court jurist in the nation's history, Roberts is probably going to have a rougher time of it because of his gender.

"Finally, because the thinking is that John Roberts will tilt the court to the right, this raises the stakes for any replacement for Justice O'Connor."

Richards

Richards thinks that the president chose extremely well in nominating Roberts.

"Judge Roberts was one of a handful of truly top-notch Supreme Court lawyers while he was in private practice, he has a demonstrated record of public service, and I think he is a very judicious person," Richards said.

"On a personal level, I know John fairly well and really like him. I'd imagine that he and I would disagree about many basic ideological and interpretive questions of law, but he's very smart and a very decent human being who has the right sort of personality to do the job in a collegial and effective manner.

"So I strongly support his nomination, especially when I consider some of the other names on the shortlist, who lacked either John's qualifications, his intellect or his judicious temperament."

Richards said that a long confirmation fight would be a mistake.

"As someone whose ideological views are closer to Justice O'Connor's than Justice Scalia's, I had great fears about the confirmation of some of the names on the ubiquitous 'shortlists,' and I think for many of those names, a stiff fight would have been warranted," he said. "But I think the Roberts nomination changes the equation somewhat.

"Certainly, a vigorous discussion of his qualifications and judicial philosophy is a good debate to have in a democratic society. But I think he should be ultimately confirmed.

"The only reasoned objection to Judge Roberts' nomination that I have heard is that he is considered to be a conservative. Unfortunately, the November election all but settled that President Bush is going to be able to move the Supreme Court in a more conservative direction.

"Nevertheless, I believe that Judge Roberts is unlikely to be a reactionary conservative in the mold of Justice Scalia or perhaps a young Justice Rehnquist. As an eminently qualified lawyer and judge with an enormous sense of respect for the Supreme Court, I think John Roberts will be a very well-respected justice."

Sports

Volleyball wins team academic award

The volleyball team earned the Game Plan/American Volleyball Coaches Association Team Academic Award.

WUSTL is one of 274 men's and women's volleyball programs around the country to receive the honor for 2004-05. The award, initiated in the 1992-93 academic year, honors college and high-school teams that displayed excellence in the classroom by maintaining at least a 3.30 cumulative team grade-point average on a 4.0 scale and a 4.10 cumulative team GPA on a 5.0 scale during the school year.

NCAA Division III had 43 schools recognized, the second-highest total in history.

Six of the eight region champions in the 2004 NCAA Division III Tournament field earned the award, including Emory University, New York University, WUSTL, Williams College, University of Wisconsin-La Crosse and Wittenberg University.

The Bears finished the 2004 season with a 32-7 record and advanced to the national championships for the 11th time in school history and third straight year.

They finished the year ranked No. 2 in the country.

WUSTL finishes 6th in NCAA power rankings

The National Collegiate Scouting Association (NCSA) announced its third annual Collegiate Power Rankings, and the University finished fourth on the list of the top academic and athletic colleges/universities in the country at the NCAA Division III level. Williams College ranked first with Amherst College, Middlebury College, WUSTL and Bowdoin College rounding out the D-III top five.

WUSTL placed sixth in the overall Collegiate Power Rankings, which compare all schools at the Division I, II and III levels; Williams also finished first in the overall standings.

"It is refreshing to know our student-athletes excel in the classroom and on the field of play," said John Schael, WUSTL's director of athletics. "We are proud of their achievements."

In the 2004-05 athletic year, the University garnered a school-record 11 UAA championships, while 10 Bears teams competed in NCAA Tournament action. The Red and Green had seven top-10 finishes, including second in volleyball, third in women's cross country and fifth in women's soccer.

The NCSA's power rankings are calculated for each school at the NCAA Division I, II and III levels by averaging the *U.S. News & World Report* ranking, the U.S. Sports Academy Directors' Cup ranking and the student-athlete graduation rate of each school.

WUSTL ranked 11th in the *U.S. News & World Report* rankings, third in the final Division III Directors' Cup rankings and seventh among Division III institutions for student-athlete graduation rates.

Two All-Americans lead volleyball squad

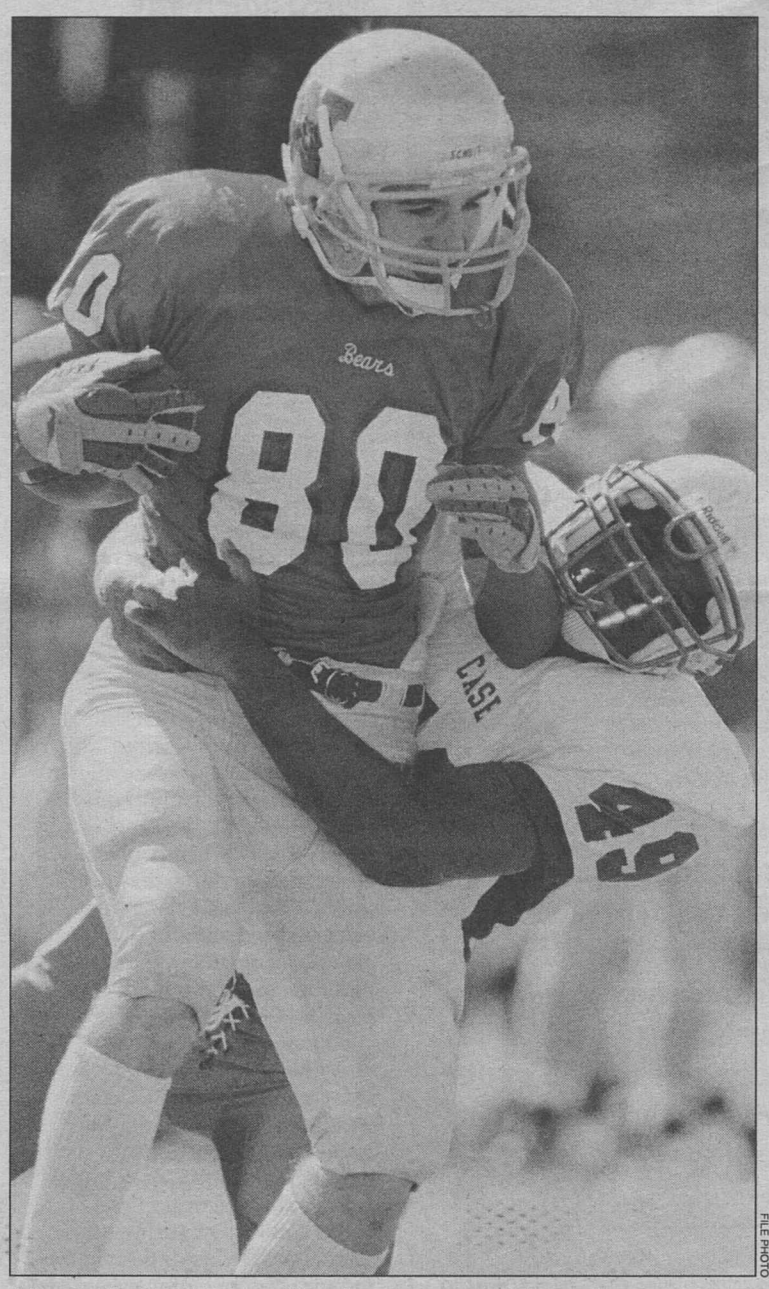
In addition to defending its 2003 national championship, the volleyball team looked at overall improvement as a key component to a successful 2004 season. Granted, improvement is no consolation for the Bears' loss last November to Juniata College in the national final. However, it bodes well for this season. Consider how the learning curve today might be different from last preseason.

In 2004, the Red and Green returned just three starters, compared with four this year. Additionally, five 2004 returnees saw regular court time the previous season; in 2005, that number has increased by one.

The group of 11 returning letter-winners includes two All-Americans (senior setter Kara Liefer and senior middle hitter Megan Houck), four all-UAA honorees and two NCAA Championship All-Tournament Team recipients (Liefer and junior right side attacker Whitney Smith).

That said, the graduation of three seniors has still left a void. Colleen Winter (outside hitter), arguably one of the best outside hitters in school history, left with three All-America citations, while Ishi Ballew (outside hitter) and Jasmine Hunt (right side attacker) departed after helping lead the Bears to a four-year 143-18 (.888) record.

The Bears open 2005 on Sept. 2 by hosting the WUSTL Classic.



FILE PHOTO

A key to the 2005 Bears offensive success will be senior receiver Brad Duesing, here being tackled in action last year against Case Western Reserve University at Francis Field. As the University Athletic Association's Co-Offensive Player of the Year in 2004, Duesing had 69 catches for 1,011 yards and five touchdowns. He enters his senior year ranked first in WUSTL history in pass receptions (212) and receiving yards (3,113).

Plugging holes will be key for gridders

Head football coach Larry Kindbom believes the success of his football team in 2005 will hinge on how quickly he and his staff can put the personnel in the right places.

With eight returning starters on defense and three on offense, Kindbom feels that will be his biggest challenge for the upcoming season. While the defense has a solid core of returnees, the offense must deal with the loss of quarterback Adam Meranda and running back Kevin McCarthy.

Running the football is also a challenge the Bears will face this season. Kindbom feels the success of his team during the course of the year will parallel the success of the running game. In the past six seasons, Washington U. is 29-6 when it outgains its opponents on the ground.

Though the competition for the starting running back position is open, senior Heath Hunter might have the inside track after starting the 2004 opener against Mount Union College.

Juniors Nick Henry and Pat McCarthy return as the favorites to earn the spot at starting quarterback. Henry threw for 91 yards and one touchdown in a backup role last season. McCarthy, who also saw time as a back up to Meranda, hit 71.4 percent of his passes for 58 yards in limited playing time.

Lucky for the quarterbacks, they will have a nice big target to throw the ball to in senior Brad Duesing.

The UAA Co-Offensive Player of the Year in 2004, Due-sing had 69 catches for 1,011 yards and five touchdowns. He enters his senior year ranked first in school history with 212 receptions and 3,113 yards.

Senior captain Joe Rizzo, arguably the best pure athlete on the team, headlines the WUSTL defense. Rizzo, a first-team all-UAA selection at defensive back, was fourth on the team last year with 46 tackles, including 40 solo stops.

Povalitis earns central region media award

Nick Povalitis, assistant sports information director, has been named the 2004-05 American Volleyball Coaches Association Grant Burger Media Award winner for the Central Region.

Povalitis, who enters his third season at the University, was one of eight award winners in Division III women's volleyball.

"This is a well deserved honor for Nick," said Chris Mitchell, WUSTL sports information director.

"He takes a lot of pride in the work he does promoting the nationally ranked Washington University volleyball program."

Oldest cranial, dental, postcranial fossils of early humans confirmed

BY NEIL SCHOENHERR

Human fossil evidence excavated more than 100 years ago from the Mladec Caves in Moravia, Czech Republic, has been proven for the first time to be the oldest cranial, dental and postcranial assemblage of early modern humans in Europe.

A team of researchers — from the Natural History Museum in Vienna, the University of Vienna and Washington University — recently conducted the first successful direct dating of the material.

Several previous attempts to radiocarbon date the Mladec specimens directly have failed. But in this more recent attempt, using teeth as dating material yielded reliable results: The samples date to around 31,000 years ago.

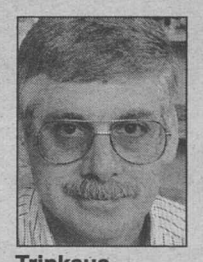
The findings were published in a recent issue of *Nature*.

"The dating results document that these samples are as old as we thought they should be," said Maria Teschler-Nicola, Ph.D., of the Natural History Museum in Vienna and Erik Trinkaus, Ph.D., the Mary Tileston Hemenway Professor in Arts & Sciences, the two anthropologists involved in the study.

This is the oldest assemblage of modern humans in Europe that retains many portions of the skeleton plus archaeological objects from the Aurignacian period.

Only two modern human specimens — from a site in Romania, dated to about 35,000 years ago — are older. At Mladec, there are at least five or six individuals represented.

The dating shows that the Mladec assemblage is central to discussions of modern human emergence in Europe and the fate of the Neandertals.



Trinkaus

The Mladec remains are universally accepted as those of early modern humans. However, there has been an ongoing debate as to whether they also exhibit distinctive archaic features, indicative of some degree of Neandertal ancestry, or are morphologically aligned solely with recent humans and therefore document only a dispersal of modern humans into Europe.

The Mladec assemblage's radiocarbon dating — which was performed at the VERA (Vienna Environmental Research Accelerator) Laboratory at the University of Vienna — confirms that they derived from the time period of the middle to late Aurignacian of Central Europe.

Given the presence of multiple individuals, males and females, adult and immature with cranial, dental and postcranial elements, the Mladec grouping is the oldest directly dated substantial assemblage of modern human remains in Europe.

Police officers complete crisis intervention training

BY NEIL SCHOENHERR

Three University police officers completed 40 hours of training July 29 as "crisis intervention officers" through a program offered by the St. Louis County government.

Sgt. Gwen Patton, Detective Robert Marbs and Patrolman Mark Alexander were certified during the intensive specialized course. This brings to nine the number of WUSTL police officers who have completed the training.

The course provides officers with the skills, methods and tactics to safely de-escalate incidents involving persons who are experiencing a mental health crisis.

Police Chief Don Strom said he feels the training is a necessary experience for his officers.

"When a person is going through a mental health crisis, it takes special skills to interact with them and assure them you want to work in their best interest," said Strom, who has completed the training himself.

"We think it's very important to expand the tool box available to our officers to give them the skills necessary to handle these situations and the information they need to make sure the person gets the best help possible."

Three more officers will begin the training program in November. Strom said the goal is to have all 26 University officers certified.

The training is provided in cooperation with the National Alliance of the Mentally Ill, the Mental Health Association of Greater St. Louis, Behavioral Health Response, BJC Behavioral Health and others.

Record

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Washington University in St. Louis

STAN STREMBICKI

The Sam Fox School of Design & Visual Arts is constructing two new buildings, the Mildred Lane Kemper Art Museum and Earl E. and Myrtle E. Walker Hall, both designed by Pritzker Prize-winning architect Fumihiko Maki. When completed in fall 2006, the new buildings will be integrated with Bixby, Steinberg and Givens halls to form a comprehensive, five-building arts campus.

School

Will comprise nearly 750 students

– from Page 1

tion, master of social work or master of construction management."

Pike added that formation of the Graduate School of Art coincides with the introduction this fall of a master of visual arts degree.

"In the past, Art has offered master's degrees in individual disciplines such as painting, sculpture and photography," Pike said. "The master of visual arts will cultivate a more collaborative, interdisciplinary approach, one that is more reflective of the current state of the profession. It will also provide students with a broader range of faculty and studio resources."

In addition to its four academic units, the Sam Fox School — which was announced in January and will formally take effect July 1, 2006 — will encompass the Mildred Lane Kemper Art Museum, home to one of the nation's finest university art collections.

> **"The Sam Fox School will allow Washington University to strengthen ties between our outstanding design and visual arts areas. It will create a larger-scale academic enterprise with greater resources and flexibility, one that will enhance the quality, visibility and impact of our programs both on campus and throughout the academic and professional worlds."**
>
> MARK S. WRIGHTON

Previously, Art and Architecture were the smallest of the University's units, with fewer than 400 students apiece. The combined Sam Fox School will total almost 750 students, comprising approximately 350 undergraduate and 25 graduate students in Art as well as 200 undergraduate and 175 graduate and professional students in Architecture.

Formation of the Sam Fox School comes amidst a $56.8 million campaign to improve the University's arts facilities. Plans include two new buildings — now under construction and scheduled to open in fall 2006 — designed by Pritzker Prize-winning architect Fumihiko Maki, as well as extensive renovations to the adjacent Bixby, Steinberg and Givens halls.

"The Sam Fox School will allow Washington University to strengthen ties between our outstanding design and visual arts areas," Wrighton said. "It will create a larger-scale academic enterprise with greater resources and flexibility, one that will enhance the quality, visibility and impact of our programs both on campus and throughout the academic and professional worlds."

Gamers

Brains aren't necessarily wired differently

– from Page 1

attended to a location, after a delay we are sometimes slower to revisit this location.

Castel relates the slower reaction times after long delays between cues to a common kitchen conundrum: "If you're searching the kitchen for a knife that you misplaced, you might look in one location," he explained. "If it's not there, you'll close the drawer, and look in other locations before you actually search that drawer again."

His data did not support his suspicions that expert video game players, who move their attention very quickly across a visually dynamic setting and keep track of many items on a screen, show differences from standard knife-in-the-drawer search patterns. In other words, gamers are made, not born — their brains are not necessarily "wired" differently than those of nongamers.

Practice, in the long run, makes perfect.

"Typically, when people get better at something, they get faster," Castel said. "Any time you can get speed without the expense of accuracy, that's telling you something about how the brain and its related physiology changes."

While video games may keep kids from enjoying the summer weather, Castel's findings have important implications for their useful applications. They might prove to be practical in real-world contexts requiring quick mental processing and rapid eye movements, including eyewitness identification expertise in law enforcement, rehabilitation for stroke patients with motor disorders, memory in old age and monitoring child development.

Castel and his co-authors, Jay Pratt and Emily Drummond from the University of Toronto, published their findings in the June issue of *Acta Psychologica*.

The study was supported by grants from the Natural Sciences and Engineering Research Council of Canada. The work was conducted in part while Castel was at the University of Toronto.

Castel tested subjects on a computer with a screen divided into several locations. He conducted a 30-minute "inhibition of return paradigm" and visual search test. One location "cues," illuminating briefly, and then a target appears shortly afterwards (either in the cued location, or in a different location). Subjects responded by hitting a key on the keyboard when they detected the target.

Future research might extend this to environments that are richer and more similar to video game situations.

Specialization is omnipresent: Ours is a world of chess grand masters, wine aficionados and, indeed, video game experts. But a chess expert who shows an exceptional memory for the positions of chess pieces on a chessboard becomes flummoxed when pieces are given random assignments.

"What's interesting is that expertise is very domain-specific," Castel said. "You might be very good at remembering baseball statistics if you're really into baseball, but as soon as other types of numbers appear, like those on your tax return, these numbers don't make sense.

"So even if it's the same type of knowledge, it's not in the domain that you have expertise."

According to Castel, there has been some previous research on video game players that suggests that gamers have more attentional resources at hand because they're so used to playing these very interactive, complex video games. He said this finding provided the motivation for the current work.

"We were interested in the kind of strategies or search habits video game players use, and whether they're the same kind of search habits that (nongamers) might possess; or, whether they differ because they have a lot of experience playing video games," he said. "We conclude that relative to nonvideo game players, video game players rely on similar types of visual processing strategies but possess faster stimulus-response mappings in visual attention tasks."

Diagnosis

– from Page 1

metabolism was going on in these abnormal cells compared to their normal noncancerous counterparts, and used new, powerful metabolite detectors to verify that these compounds were actually being made.

"We then took information gained from the mouse and asked whether the same human genes are expressed in poor prognosis as opposed to good prognosis human tumors. We found that the human genes that give rise to the key enzymes required to produce these metabolites were invariably switched on the poor prognosis but not the good prognosis tumor groups."

Gordon added, "Most people understand the revolution in medicine to be a DNA-centered search for mutations in genes that cause disease. This study illustrates another layer of the revolution — understanding how certain diseases, in this case cancer, are linked to abnormalities in cellular metabolism — an area called 'metabolomics.'

"We've described a unique tumor-associated pattern that we hope will provide new ways to diagnose these poor prognosis cancers earlier and to implement more effective treatments."

The researchers believe that metastatic neuroendocrine tumor cells use GABA signaling processes to communicate with each other and with their environment.

> **"We are able to examine not just genes, not just proteins, but the chemistry that underlies diseased tissues. Computational, experimental and instrumental tools are now available to tackle metabolomics and then translate lessons learned at the laboratory bench to the patient's bedside, as called for by the University's BioMed 21 initiative."**
>
> JEFFREY I. GORDON

"Through carefully planned clinical trials, we may be able to evaluate the therapeutic potential of already available drugs that affect GABA signaling to treat these aggressive types of cancers," Ippolito said.

The association of GABA with aggressive tumors was uncovered by a novel combination of techniques that can now be employed for further identification of substances linked to tumors and other diseases.

The resulting information will significantly advance diagnosis and treatment options.

"We used a way to cross from basic sequence information in genomes to information about the substances likely to arise in tumors," Ippolito said.

The researchers first analyzed the activity of genes in the mouse tumors using GeneChips, miniaturized arrays of gene sequences, to obtain information about how active each gene in tumors is.

They combined the mouse data with parallel data from 182 human tumors. Then, the gene-activity data was fed into sophisticated software that supplied the researchers with a prediction about which metabolic reactions were revved up in the tumors and which were slowed down.

The last piece of the puzzle was supplied by a highly sensitive instrument, called a mass spectrometer, that measured the products of cellular metabolism. The mass spectrometer measurements were cross-checked with the gene activity data and the predictions of metabolic reactions.

This set of techniques demonstrated the link between abnormal GABA production and aggressive tumors.

"We are able to examine not just genes, not just proteins, but the chemistry that underlies diseased tissues," Gordon said. "Computational, experimental and instrumental tools are now available to tackle metabolomics and then translate lessons learned at the laboratory bench to the patient's bedside, as called for by the University's BioMed 21 initiative."

Employment

Go online to **hr.wustl.edu** (Hilltop Campus) or **medicine.wustl.edu/wumshr** (Medical Campus) to obtain complete job descriptions.

Hilltop Campus

For the most current listing of Hilltop Campus position openings and the Hilltop Campus application process, go online to hr.wustl.edu. For more information, call 935-5906 to reach the Human Resources Employment Office at West Campus.

Clinical Study Coord. 050048

Asst. Dir. for Disability Resources 050099

Software Developer 050104

Coord. Of Experimental Computing 050186

Curator 050226

Exec. Dir. Regional Development Progs. 050248

Islamic Studies Catalog/Subject Librarian 050260

Reference/Web Services Librarian 050261

Accounts Payable Scanner 050274

Assoc. Dir. MBA Career Advising 050278

Lab Technician IV 050279

HVAC Technician II 050285

Employee Relations Manager (Generalist) 050286

Dir. of MBA Admissions and Financial Aid 050288

Technical Director/Master Electrician 060001

Systems Support Associate 060002

Network Systems Engineer (Microsoft) 060006

Network Security Analyst 060008

User Services Supervisor 060009

Senior Dir. of Capital Projects 060012

Deputized Police Officer 060014

School Accountant—Business & Law 060017

Admissions Officer 060018

Administrative Asst. 060019

Student Financial Service Rep. 060020

Project Leader/IS 060021

Administrative Secretary 060022

Assoc. Dir. of Alumni Relations 060024

Assoc. Dir. of Development, En. & App. Sci. 060025

Assoc. Dir. of Development, En. & App. Sci. 060027

Administrative Asst. 060028

Hazardous Materials Tech II 060029

Medical Campus

This is a partial list of positions in the School of Medicine. Employees: Contact the medical school's Office of Human Resources at 362-7196. External candidates: Submit résumés to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110, or call 362-7196.

Sr. Research Technician 051263

LPN 051310

Professional Rater I 051381

Residency Coordinator 060052

Medical Records Clerk 060062

Dialysis Technician 060065

Medical Secretary II 060077

LAN Administrator 060079

Medical Secretary II 060081

Animal Care Technician 060086

Coord.: Laboratory Support Services 060100

Secretary III 060101

User Support Analyst I 060103

RN—Research Patient Coord. 060104

Payroll Assoc. 060105

IBC Asst. II 060106

Medical Asst. II 060107

Research Asst. 060108

Medical Asst. II 060109

Medical Secretary II 060110

Medical Asst. 060111

IBC Asst. II 060113

Patient Billing Services Rep. II 060115

Sr. Programmer Analyst 060116

Research Patient Coord. 060119

Secretary III 060120

Medical Asst. I 060121

IBC Asst. II 060122

Notables

Of note

John R. Bowen, Ph.D., the Dunbar-Van Cleve Professor of Sociocultural Anthropology, was recently presented with a Carnegie Corporation of New York Carnegie Scholars Program award to work on his book *Shaping French Islam*. Bowen's book will examine how French Muslims strive to build a base for their religious lives in a society that views these practices as incompatible with national values. Scholars receive up to $100,000 over a two-year, period to pursue research. …

William Lowry, Ph.D., professor of political science in Arts & Sciences, has been named the Fulbright Chair in North American Studies at the University of Calgary for 2005-06. He will be in residence at the university during the fall semester. He has plans for research on changes in park management policies at Canada's Banff National Park; river and dam management policies in Alberta; and development of renewable energy sources in Canada. A member of the University faculty since 1988, Lowry earned a doctorate in political science from Stanford University. He has published four books and numerous articles on natural resources and environmental policies. …

Enola Proctor, Ph.D., the Frank J. Bruno Professor of Social Work Research and associate dean for research in social work, has received a five-year, $2,375,266 grant from the National Institute of Mental Health for the project titled "George Warren Brown Mental Health Service Research Training." …

Buck Rogers, Ph.D., assistant professor of radiation oncology, has received a four-year, $720,000 grant from the American Cancer Society for research titled "Treatment of Hormone-Refractory Prostate Cancer with Radiolabeled Peptides." …

At the recent annual meeting for the Midwest Section of the American Society of Plant Biologists, which was held at the Donald Danforth Plant Science Center, **Kiani Arkus** won the award for "Best Undergraduate Presentation" for her work titled "Mechanistic Analysis of Wheat Chlorophyllase Reveals a Connection to the Carboxyesterase Enzyme Family." Arkus is a sophomore biology major in Arts & Sciences from Honolulu. …

Victoria May, director of science outreach, received a three-year, $3.7 million grant from the Monsanto Fund for "Science on the Move," a mobile science van program. …

Rebecca Rogers, Ph.D., assistant professor of education in Arts & Sciences, was recently awarded the Early Career Award by the National Reading Conference. Given annually, the award recognizes scholars who have made significant contributions to literacy research and education early in their careers. …

Theodore J. Cicero, Ph.D., vice chancellor for research and associate vice chancellor/associate dean at the School of Medicine, is one of four new members elected to the Oak Ridge Associated Universities' (ORAU) Board of Directors. ORAU is a university consortium leveraging the scientific strength of 91 major research institutions to advance science and education by partnering with national laboratories, government agencies and private industry. …

Barbara J. Norton, Ph.D., associate director for professional studies in the Program in Physical Therapy, and **David Sinacore**, Ph.D., associate professor in the Department of Medicine and in the Program in Physical Therapy, have been named Catherine Worthingham Fellows of the American Physical Therapy Association. Norton was recognized primarily for her research in two areas, objective measurement of spasticity and of impairments related to low back pain. Sinacore was honored for his research on the management of diabetic foot ulcers and the systemic effects of exercise in older adults. …

Rajendra S. Apte, M.D., Ph.D., assistant professor of ophthalmology and visual sciences, has received a four-year, $200,000 Career Development Award from Research to Prevent Blindness. One of Apte's primary areas of research is age-related macular degeneration, one of the leading causes of blindness in North America. …

Eliot M. Fried, Ph.D., associate professor of mechanical and aerospace engineering, has received a three-year, $281,398 grant from the U.S. Department of Energy for research titled "Continuum Mechanical and Coputational Aspects of Material Behavior." …

John T. Gleaves, Ph.D., associate professor of chemical engineering, has received a three-year, $302,689 grant from the National Science Foundation for research titled "GOALI: Atomic Tailoring of Catalyst Surfaces for High Selectivity: Partial Oxidation of Propane." …

Radhakrishna Sureshkumar, Ph.D., associate professor of chemical engineering, has received a three-year, $199,974 grant from the National Science Foundation for research titled "Collaborative Research: Flow Transitions and Turbulence in the Taylor-Couette Flow of Dilute Polymer Solutions." …

Frank Yin, Ph.D., chair and the Stephen F. and Camilla T. Brauer Professor of Biomedical Engineering, has received a two-year, $143,000 grant from the American Heart Association for research titled "Responses of Endothelial Cells to Multiple Mechanical Stimuli." …

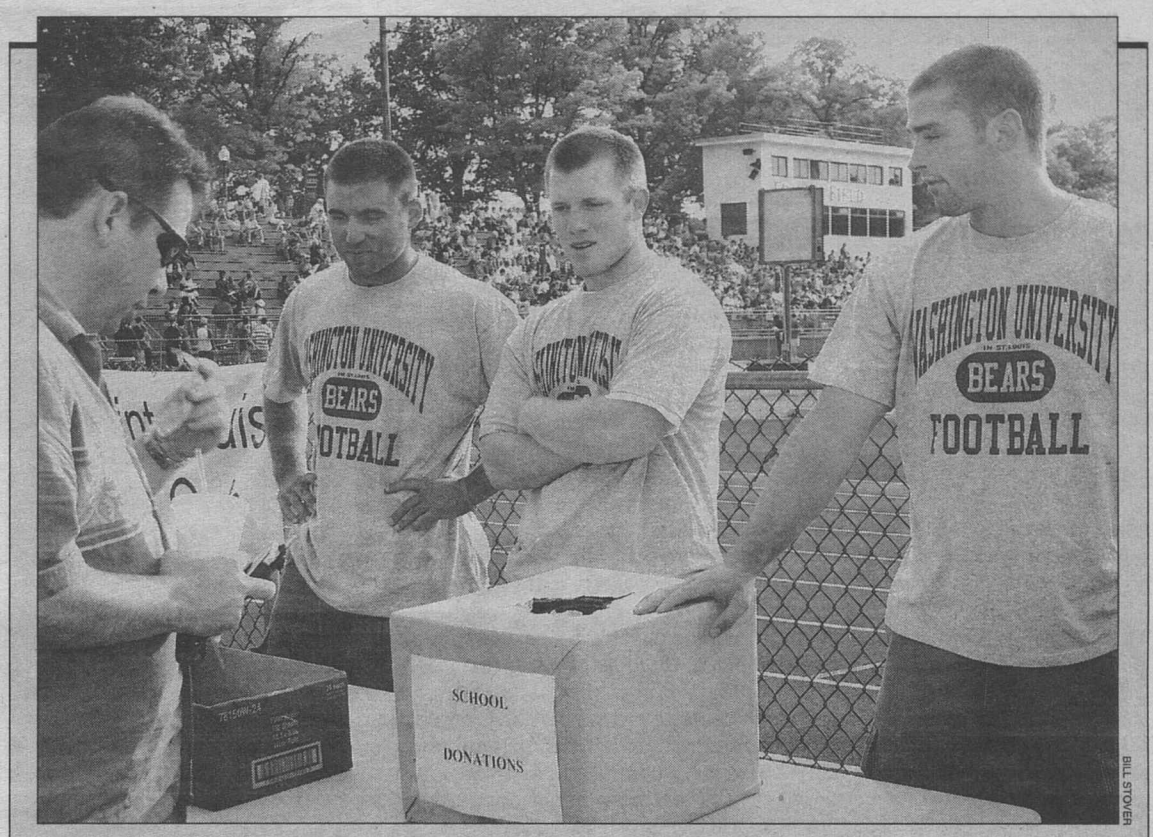
Sophia E. Hayes, Ph.D., assistant professor of chemistry in Arts & Sciences, has received a two-year, $35,000 grant from the American Chemical Society for research titled "Study of Topotactic Photoconversions of Cinnamic Acid to Truxillic Acid via Solid-State NMR With in Situ Optical Irradiation." …

Charles Hohenberg, Ph.D., professor of physics in Arts & Sciences, has received a five-year, $703,400 grant from the National Aeronautics and Space Administration for research titled "Noble Gas Measurement and Interpretation of Returned Genesis Solar Wind Collector Material." …

Steven G. Krantz, Ph.D., professor of mathematics in Arts & Sciences, has received a three-year, $747,198 grant from the United States Department of Education for research titled "Graduate Assistance in Areas of National Need in the Field of Mathematics." …

Henric S. Krawczynski, Ph.D., assistant professor of physics in Arts & Sciences, has received a one-year, $19,500 grant from the National Aeronautics and Space Administration for research titled "Multiwavelength Observations of the Strong TEV Blazers MRK 501 and 1ES 1959 650." …

Bradley Stoner, M.D., Ph.D., associate professor of anthropology in Arts & Sciences, has received a one-year, $6,190 grant from the National Science Foundation for "Dissertation Research: The Effects of Suicide Prevention Programs on Local Understandings of Suicide and Gender in Rural China."



BILL STOVER

Football philanthropy Senior Chris Finney, sophomore Chris Halenkamp and junior Pat McCarthy of the WUSTL Bears football team collect donations from fans at Francis Field prior to the St. Louis Rams holding a practice there Aug. 6. The workout, which featured the Rams running about 48 plays, some kicking drills and some 7-on-7 scenarios, lasted approximately 1 hour, 45 minutes and was attended by 4,655 fans. The Rams and their fans weren't the only beneficiaries of the event — 15 55-gallon barrels of school supplies were collected for donation to St. Louis public schools.

Associate dean of faculty, Ph.D. director are named by School of Social Work

BY JESSICA MARTIN

Luis Zayas, Ph.D., the Shanti K. Khinduka Distinguished Professor of Social Work, and Wendy Auslander, Ph.D., professor of social work, have accepted new appointments in the George Warren Brown School of Social Work, announced Edward F. Lawlor, Ph.D., dean and the William E. Gordon Professor.

Zayas became associate dean of faculty July 1; Auslander will become director of the Ph.D. program Sept. 1.

Zayas' primary academic interests are in clinical practice with adolescents and families and in training clinical practitioners.

His clinical experience spans 25 years of working with children, adolescents, adults and families in community mental health; psychiatric clinics; pediatric rehabilitation; and community-based primary care medicine.

Zayas also is a professor of psychiatry in School of Medicine.

His research has examined child and adolescent mental health, maternal mental health in pregnancy, parent-child relations, cross-cultural factors in child-rearing behavior, family functioning, psychiatric diagnosis, alcohol use among Latino men and psychosocial interventions in community-based primary care health centers.

Zayas

Auslander

Zayas received the 2005 Outstanding Faculty Mentor Award at the School of Social Work.

"Professor Zayas is a model of faculty leadership at the school," Lawlor said. "He is a distinguished scholar, an outstanding teacher and a tireless contributor to the community inside and outside the School of Social Work. We are so fortunate to now have him in this formal faculty leadership role."

Auslander replaces Nancy Morrow-Howell, Ph.D., the Ralph and Muriel Pumphrey Professor of Social Work.

Auslander's work focuses on health care and health behaviors, evaluation of interventions, diabetes prevention and research, AIDS prevention among teenagers, minority health and health promotion, family functioning and chronic illness.

The National Institutes of Health has funded several of her research projects on lifestyle change and health promotion for African-American women, coping for juveniles with diabetes and their families, AIDS prevention among teens and smoking cessation among African-Americans.

She is a recipient of the Social Service Project Award sponsored by Eli Lilly & Co. and the American Association of Diabetes Educators.

Auslander has served on the editorial boards of the *Journal of Early Adolescence, Health and Social Work* and *The Diabetes Educator*.

"Professor Auslander brings exceptional commitment, scholarly values and vision to the role of chair of this program," Lawlor said.

"We owe a great debt to Nancy Morrow-Howell for her leadership and accomplishments during her term as chair of the doctoral program. Nancy brought high standards, thoughtfulness and compassion for students to this program — exactly what we want in our academic leadership of doctoral education."

Obituaries

Harrahill, 84

Lucy M. Harrahill, who became director of social work for the University's Child Guidance Center in 1958, died Monday, Aug. 1, 2005. She was 84.

Miller Jr., 63

Paul L. Miller Jr., University trustee from 1986-2003, died Thursday, July 14, 2005, after a brief illness. He was 63.

Notables policy

To submit Notables for publication in the *Record*, e-mail items to Andy Clendennen at andyc@wustl.edu or fax to 935-4259.

Giuliani

Book spent 25 weeks on best-seller list

– from Page 1

from New York University, his first job was clerking for Judge Lloyd MacMahon in the Southern District of New York. But he soon joined the U.S. attorney's office, where he rose through the ranks and finally served as associate attorney general.

In 1983, he became U.S. attorney for the Southern District of New York.

A decade later, Giuliani was elected the 107th mayor of the city of New York, carrying four of the five boroughs. He served two terms.

During his tenure, overall crime fell dramatically and its law enforcement strategies became models for other large cities.

His tax reforms and fiscal discipline turned a large budget deficit into a multi-billion dollar surplus, and tourism flourished.

In 2002, Giuliani founded Giuliani Partners, a leader in the fields of emergency preparedness, public safety, crisis management and corporate governance. His book, *Leadership*, was published in 2002 and remained for 25 weeks on *The New York Times* best-seller list.

Founders Day, sponsored by the University's Alumni Board of Governors, commemorates the University's founding in 1853.

For more information, go online to *foundersday.wustl.edu*.

Washington People

Passionate about patients

Lynn A. Cornelius loves being on the 'front lines of diagnosis'

BY KIM LEYDIG

Whether it's a young adult with melanoma, a teenager with scarring acne or a grandfather with a non-melanoma skin cancer, Lynn A. Cornelius, M.D., loves that dermatology allows her to see an array of medical conditions and patients of all ages and from all walks of life.

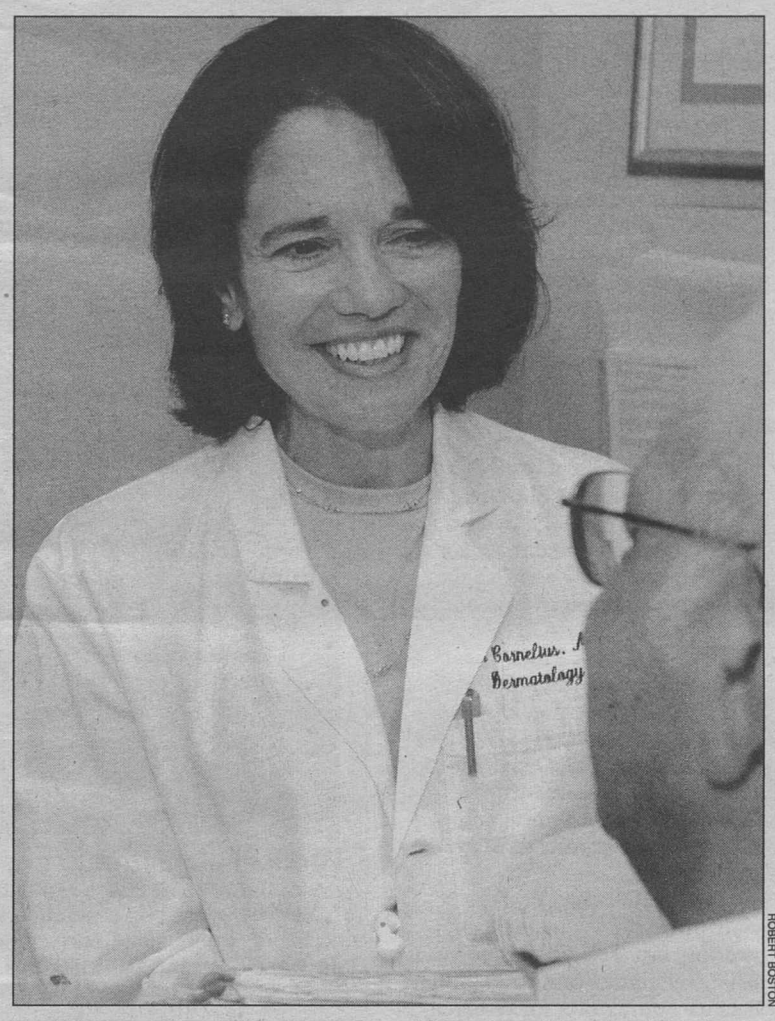
"Although my clinical and laboratory focus is melanoma, the variety in dermatology is great, and I enjoy taking care of patients with all types of dermatologic diseases," says Cornelius, chief of the Division of Dermatology.

"I believe that dermatology allows me the opportunity to positively affect the health of my patients and improve their lives, both of which are extremely gratifying."

Patient Peter Tocco, who has seen Cornelius for various skin problems over the past decade, is quick to confirm that "his favorite doctor" does have an incredible impact on her patients' lives.

"There is no better doctor than Dr. Cornelius," Tocco says. "I have referred at least 150 patients to her. She has an amazing personality and is very approachable — she always makes you feel great. She's a really sweet person and an incredible doctor."

Kenneth M. Polonsky, M.D., the Adolphus Busch Professor and chief of the Department of Medicine, agrees that Cornelius "is an outstanding physician, who takes outstanding care of her patients."



ROBERT BOSTON

Lynn A. Cornelius, M.D., treats Peter Tocco for skin-related problems. Tocco has seen Cornelius for the past decade and has referred at least 150 patients to her. "She has an amazing personality and is very approachable," he says. "She always makes you feel great. She's a really sweet person and an incredible doctor."

Multidisciplinary medicine

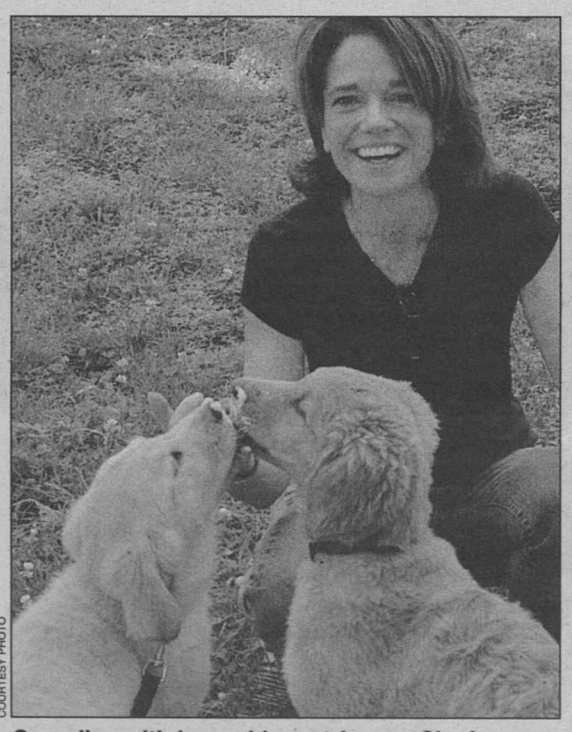
Cornelius also enjoys the excitement of not knowing what challenges the next patient will present in the course of a busy clinic.

"From the standpoint of a diagnostician, dermatologists have a great advantage of being able to see a disease as it presents on the skin," she says. "The true art, however, is in recognizing the medical implications of these signs, as many serious conditions present initially with skin manifestations."

For instance, a patient may come in with what they believe are wart-like bumps on the skin that actually are lesions caused by incredibly high triglycerides.

In cases like this, dermatologists are often the first to diagnosis a condition — and Cornelius loves being on "the front lines of diagnosis."

"We're often the first ones to break the news to patients that they have cancer," she says. "It's so important to educate patients about skin cancer and the implications of each type of skin cancer," she says.



COURTESY PHOTO

Cornelius with her golden retrievers. She loves running with her husband, Joe, and their dogs.

For instance, there are major differences in the prognosis of melanoma versus non-melanoma skin cancer.

Cornelius explains that it's "our job to educate patients with respect to what they may read about the disease on the Internet and prepare them for discussions with the oncologist or surgeon."

She adds that another challenge she and her patients face is that people with skin diseases often are not perceived as having a serious disease.

"The degree that a skin disease may affect a patient's quality of life is not insignificant," she explains. "It often affects their ability to function both physically and socially at home and in the workplace."

For example, a patient who has a chronic skin condition like psoriasis, effective treatment not only improves their outward appearance, but it also has an impact on the rate the patient may develop secondary conditions, such as arthritis, which is often associated with this disease.

Cornelius says she's also drawn to dermatology because the field offers a great model for a multidisciplinary approach to medicine and the opportunity to collaborate with physicians and caregivers in diverse fields.

And this is especially true in Cornelius' specialty, melanoma.

"Similar to most cancers, melanoma offers a truly great opportunity to practice interdisciplinary medicine," she says. "It's also very important for optimal patient care for patients to know their doctors are working in a coordinated fashion."

As part of this effort, Cornelius and her colleagues dedicate time to the diagnosis and treatment of transplant patients with skin cancer and educating this special group of patients about their increased risk of developing this disease.

She explains that it's now well recognized that many of the prescribed immunosuppressive drugs, necessary for the transplanted organ's survival, reduce the immune system's ability to not only fight infection but also certain types of cancer, including skin cancer.

In the solid organ transplant patient, the risk of developing non-melanoma skin cancer is anywhere from 10-65 times that of the general population, Cornelius explains.

"Some studies have even cited the increased risk as up to 500 times, and melanoma also occurs at an increased rate, although slightly lower," she says, adding that skin-related cancer accounts for significant morbidity, and even mortality, in these transplant patients.

"Transplant patients may feel so overwhelmed by managing other aspects of their disease that in the scheme of things, continued unprotected sun exposure doesn't seem to pose an important risk," she says. "This is where we need to do a better job in educating patients and working with the transplant team to emphasize prevention."

Another focus of Cornelius' team is skin cancer-related translational research.

Cornelius and Anne Bowcock, M.D., professor of genetics, of medicine and of pediatrics, recently received a grant from the Siteman Cancer Center to investigate the genetic basis of melanoma.

The researchers are recruiting patients from the clinic with a melanoma, or a family history of melanoma or other cancers and are evaluating their genes for known as well as novel mutations.

"The melanoma effort at Siteman has grown substantially, in large part because of Lynn's role as the focus group leader," says oncologist Gerald P. Linette, M.D., Ph.D., assistant professor of medicine.

"She's an extraordinary clinician but she's also a wonderful role model as a physician-scientist. She's focused on asking the important questions in a complex disease."

A model leader

Not only is Cornelius incredibly dedicated to her patients and to her profession, but she's also a dedicated role model and leader.

Eugene A. Bauer, M.D., explains Cornelius' incredible diligence coupled with her compassion for patients is what makes her a great clinician and leader.

"One of her greatest strengths is her capacity to stretch beyond her given field and really make a contribution to the institution as a whole," says Bauer, former Washington University professor of dermatology, former dean of Stanford University School of Medicine and now chief executive officer of a private dermatology corporation.

"One of the big issues at an academic medical center is that people get wrapped up in their specific areas, but Lynn has great ability to stretch beyond her field and make a major contribution to the University."

As one of only a handful of female division chiefs at Washington University, Cornelius' colleagues assert she's an amazing leader — both an inspiration and mentor to aspiring female physicians and a quintessential example of a great leader.

Cornelius stresses the best way to make an impact is to do a good job, regardless of your gender.

Polonsky adds it's "extremely important to have strong female role models in the medical school so that students and residents can see that women can succeed at the highest levels in our institution," he says. "Dr. Cornelius exemplifies such a role model."

Dermatologist Susan B. Mallory, M.D., professor of medicine and of pediatrics, agrees Cornelius is an exceptional example of a role model and leader.

"As a doctor she is brilliant and dedicated. As a woman she has proven she's dedicated and productive in a male-orientated hierarchy," Mallory says. "She is the easiest person to work for because she is so inclusive and very giving to the entire division."

All of Cornelius' colleagues agree that the Division of Dermatology has grown under her focused and determined leadership.

"Under her direction the clinical dermatology programs have expanded substantially and the division is now on very firm footing," Polonsky says. "She has also made some outstanding research recruitments and these faculty contribute to the academic strength of the division."

Cornelius explains that the greatest advantage of being in a position of leadership is that she has the chance to develop and build her team.

"As a division leader you have the chance to help your faculty recognize their strengths," she says. "As a leader you can facilitate your faculty and staff to pursue their individual goals while working toward the good of team."

Cornelius' patients and colleagues agree that her positive attitude and zest for life also help make her a great doctor — an attitude and drive she attributes to her parents, particularly her mother.

"Lynn's greatest attribute is her enthusiasm for life," Mallory says. "She is everyone's friend. I don't know anyone who does not like her!"

Lynn A. Cornelius

Education: University of Delaware, B.S.; University of Missouri, M.D.

Hometown: Yardley, Penn.

Family: Husband, Joe, an executive at Monsanto, and two golden retrievers. "My husband is my biggest advocate," she says. "Even though we live in different professional worlds, we offer one another a balanced perspective not only in our jobs but also in our daily lives. We're different people who share common values and goals — and that's what makes it work."

Hobbies: The couple loves to travel, visit family, cook in their wood-burning pizza oven and run with their dogs.