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Scientists find marker for high survival rate in cancer patients

School of Medicine researchers have found a marker for high survival rate among patients with neuroblastoma, one of the most common malignant childhood tumors. Their report in the March 25 New England Journal of Medicine states that tumors with expression of the nerve growth factor receptor, TRK (pronounced "track"), show a favorable outcome. "This finding is important because it provides a marker for good and bad prognostic groups," says Carin Carnot, M.D., associate professor of pediatrics and of genetics.

The group studied tumor samples taken from 77 patients. Each sample was examined for the presence and amount of TRK receptor, and correlated with five-year survival rate. Eighty-six percent of the patients with high levels of TRK expression had a high survival rate.

Nerve growth factor (NGF) is a protein that promotes survival and differentiation of specific nerve cells. Developing nervous system cells that give rise to neuroblastoma have a choice of three fates: continue to grow, differentiate into mature cells and stop dividing; or undergo programmed cell death. It appears that TRK coaxes the cells to choose differentiation or programmed cell death, abandoning the cancerous option, Broder says.

Eight years ago Broder's group found a marker for low survival rate in neuroblastoma patients. Low survival is proportional to the amount of N-myc (pronounced "en-mick") produced by neuroblastoma tumors. The short-term impact of these studies is that physicians can use the two markers to get a better idea of a patient's diagnosis. "And it also gives us a way to individualize therapy and decide who should be treated with more aggressive drug therapies," Broder says. Patients with higher TRK expression and N-myc expression might be weaned off chemotherapy earlier, he adds.

Broder is hopeful that a diagnostic test for TRK will be available to all neuroblastoma patients. The long-term importance of these findings is yet to be determined, but Broder says he believes it could lead to new forms of therapy that is much less toxic than current therapy. Currently, chemotherapy kills all multiplying cells, and that includes normal cells, he says. "Aiming drug therapy at the TRK-NGF pathway should have some effect if any deleterious effect on normal cells."
Researchers stalk ‘death genes’ for clues to disease severity

Y our family has a history of sudden death. You might be carrying a gene that could stop your heart cold. Do you choose DNA screening to calculate your genetic liability? Or do you refuse testing, preferring not to know that you carry the gene? Most of us don’t face these choices. But they are hugely important decisions for people who may harbor genes that cause sudden death. Today, routine gene screening foreshadows some of theills that will afflict a person throughout a lifetime. Yet tests that find a disease gene tell only part of the story. How do you live with the knowledge that you may die suddenly from a genetic catastrophe? What kind of life will you have? How serious is your disease? Finding the gene doesn’t answer these questions, says Daniel P. Kelly, M.D., assistant professor of medicine at the School of Medicine. Genetic disease is a story that can have many different endings: A person carrying the gene for hypertrophic cardiomyopathy, for example, can develop a mild or moderate heart disease, or die suddenly from a more severe form. Patients with genetic disease tell their doctors they want more information. If a person chooses genetic testing, he or she may want additional information such as how bad the disease will be, Kelly says. “We don’t have those answers as yet; our goal is to use gene tests to better predict the severity of a person’s illness.”

Kelly and his colleagues, Steven R. Bergmann, M.D., Ph.D., associate professor of medicine, and Burton E. Sobel, M.D., Tobias and Hortense Lewin Professor of Cardiovascular Diseases, are one step closer to that goal. They report in the March issue of the American Journal of Cardiology promising results in visualizing how a defective gene undermines the heart’s energy supply. The disease, long-chain acyl-CoA dehydrogenase (LCAD) deficiency, was killing the children. Each enzyme is an acyl CoA dehydrogenase (AD) named according to the size of fatty acid — short-chain (SC), medium-chain (MC) or long-chain (LC) — it digests. The three enzymes — SCAD, MCAD and LCAD — work within the body turning fatty acids into energy. A defect in one of these enzymes can be enough to kill a person. When the body runs low on sugar, it begins to burn the fats and fatty acids it has stored. People with such oxidation disorders cannot produce the energy needed by their brain or the main energy source. The urine screening showed that MCAD deficiency was killing the children. A baby born with MCAD deficiency is always at risk of sudden death. There’s relatively little warning. Missing a meal or being sick — both of which can rapidly lower blood sugar levels — can kill these children. Often the only sign of MCAD deficiency is low blood sugar or sudden death, Kelly says. Without knowing the genetic mutation involved in MCAD deficiency, researchers could not develop a rapid, simple screening test to identify children earlier. Such a test could identify MCAD deficient children at birth, and alert parents to the dangers of fasting and low blood-sugar.

Six years ago, Kelly and Arnold W. Strauss, M.D., professor of pediatrics at the School of Medicine, set the stage for the development of such a screening test when they found the MCAD gene defect. To their surprise they found that most cases of MCAD deficiency are caused by a single, common mutation in the MCAD gene. A single mutation is good for screening, Kelly says, but even with the screening test, MCAD deficiency remains an unpredictable disease. “If you take 10 kids with MCAD, two could die suddenly, two could have a very severe course, and the rest could be without symptoms.”

If MCAD deficiency is diagnosed, the child’s doctor and a genetice counselor advise the parents about danger signs. MCAD deficiency typically is treated by avoiding fasting. Some scientists favor dietary manipulation while others prefer long-term therapy with carnitine, a substance that helps the body break down fatty acids.

Death gene handed down

Familial hypertrophic cardiomyopathy (FHC) is another devastating genetic cause of sudden death that interests Kelly. FHC is a disease that thickens the wall of the heart. People with severe FHC can die suddenly at any time. In 1990, Loyola University basketball star Hank Tenley Jr. had been diagnosed with FHC, collapsed and died during a basketball game. Death in such cases may be closely related to physical exertion, hence the high rate of deaths in athletes who have FHC.

Several years ago researchers at Harvard University and the National Institutes of Health uncovered a genetic defect linked to FHC. The gene they found produces a defective muscle protein found in the beta myosin heavy chain gene. Studies showed that nearly 40 percent of cases of familial hypertrophic cardiomyopathy are caused by a variant in the beta myosin heavy chain gene. As with MCAD deficiency, though, the presence of the beta myosin heavy chain gene doesn’t give doctors any idea how the disease will progress.

In St. Louis, Kelly and his colleagues have followed a large Illinois family that has a devastating history of FHC. The family pedigree is studded with people who died suddenly between the ages of 20 and 40. Kelly determined to see if there was a correlation between the type of mutation and severity of disease. He also enlisted the aid of colleagues at Baylor University to screen several of the families they had been studying. The result of their work shows that the specific beta myosin heavy chain gene mutation correlates with a severe form of FHC. “Whether this will hold up with all of the mutations that have been discovered remains to be determined,” Kelly says.

Unlike MCAD deficiency, where the majority of patients have a single common mutation with FHC, the beta myosin heavy chain gene has any of a variety of mutations. There are at least 15 mutations of the beta myosin heavy chain gene linked to FHC, Kelly says, making the job of predicting disease outcome even more difficult.

No matter how many tests doctors devise to detect such tests and themselves, predicting the severity of a genetic disease, the decision to use those tests still rests with the patient. In Kelly’s follow-up of other St. Louis families, some want genetic testing and some don’t. “Some patients may want to know, yet they can figure out ahead of time if a child should play sports,” Kelly says. “Others may want to avoid any kind of testing. It’s a demoral of sorts because the disease is so horrible.”

— Jim Keeley

Richard W. Brand, B.D.S. (left), assistant dean for admissions and student affairs at the School of Medicine, guides local high school administrators and science and health program coordinators on a tour of the anatomy laboratory. As part of a community education effort into medical education, the School of Medicine’s Hospital is taking part in the Metro South Alliance, a school and community-based program in which 12 school districts south of Highway 64 learn about health care through guest speakers and other events, such as the tour of the anatomy lab facilities. School districts participating are Pattonville, Rockwood, Mehville, Lindbergh, Affton, Ballas, Fox, Northwest, Oakville, Hancock, Kirkwood and the Special School District.
African-American Studies Program, Gerald Early writes about the challenges he faced and the people who supported him. He discusses the political correctness of the time and how it affected his work. Early also talks about his family, especially his mother, who was very strict and did not allow him to fall prey to the same things that were happening in the community.

He writes about his experiences in the neighborhood and how he got involved in drug and alcohol abuse. He talks about how he had to put that on hold to focus on his writing.

Early offers students intellectual balance, as it was not always easy to be a black writer. He says that being black is not something that should be hidden or denied, but it is a part of who he is. He wants students to learn how to think on their own terms and to be able to express themselves freely.

In one article, he talks about his fears for his daughters. He says that he wants them to feel black and proud, and that they should be able to be who they are.

Through his writing, Early offers students a glimpse into the struggles of being a black writer in America. He shares his own experiences and offers advice to students who are facing similar challenges.

"I strongly believe black studies to be an open door through which anyone can enter."
Films

Thursday, April 8

7 p.m. Dept. of Anatomy and Near Eastern Languages and Literatures Near Eastern Film Series presents "Dreams of Hind and Kamilla," English subtitles. Room 219 South Ridgley Hall.

3 a.m.-10 p.m. weekdays; 1-6 p.m. week-ends. For more info., call 362-4239.

Friday, April 9
9:15 a.m. Pediatric Grand Rounds, "New Drugs on the Block — The Mechanisms of Action of Anticonvulsants," Steven M. Rothman, A. Ernest and Jane Stein Professor of Neurology, WU School of Medicine; and director, Division of Child Neurology, Pediatric Neurology, St. Louis Children's Hospital. Copley Aud., 4905 Children's Hospital Blvd.


Tuesday, April 13

4 p.m. Dept. of Anatomy and Neurobiology seminar, "Family Ties: The D2-like Dopamine Receptors," Karen O'Malley, assoc. prof., dept. of Anatomy and Neurobiology, WU School of Medicine. Room 928 McDonnell Medical Sciences Bldg.

Wednesday, April 14
4:30 p.m. Dept. of Anatomy and Neurobiology seminar, "The Rise of Europe —The Decline of Switzerland," Michael Böhler, prof. of German, U. of Zurich. Women's Bldg. Lounge.


Calendar guidelines
Events sponsored by the University — its departments, schools, centers, organizations and its recognized student organizations — are published in the Calendar. All events are free and open to the public, unless otherwise noted.

Calendars submitted should state time, date, place, sponsor, title of event, name of presenter and affiliation, and admission cost. Quality promotional photographs with description of event may be submitted. Photos will not be returned. The Record is printed every Wednesday. Submissions due four weeks prior to the event. Special events, such as holidays and holidays, may be excluded from the Calendar. For more info., call 935-8533.
## S K I N ’ 8 exhibit featured at 6 Floor Gallery

School of Fine Arts students will display works that reflect their interpretation of the skin “in all its skinness” through April 16 through 18 at the 6 Floor Gallery, 1310 W. Washington Ave.  

The exhibit, titled “SKIN,” features the art work of seniors, graduate students and Visiting Associate Professor Phyllis Platter. An opening reception will be held from 7 p.m. until 9 p.m. April 16. The reception is free and open to the public.

## Imrat Khan to perform classic Indian music

Musician Imrat Khan will perform a concert of classic Indian music at 7 p.m. April 17 in Edison Theatre. Khan, who is widely recognized as one of the premier musicians of Indian music, has performed and lectured throughout the world. He teaches classes through University College.

Khan comes from a family that traces its origin back through generations of celebrated musicians to the court of the great Moghul Emperor Akbar in the 16th century, a golden age for the musical arts of India. Although his musical talents cover many instruments, Khan’s primary expertise is on the sitar, a long-necked lute with three to seven strings, and the surbahar, a bass instrument related to the sitar and known for its unparalleled sound quality.

The concert, which is sponsored by Ashoka, the Indian student association, costs $15 for the general public and $10 for students. For more information, call 935-1903 or 935-6543.

## Baseball

**Last Week:** Washington 18, Illinois College 5; Washington 13, Maryville 6; Lake Forest 9-8, 17 innings; Washington 10-7, Blackburn 1-4  
**This Week:** Missouri Baptist College, 3 p.m. Thursday; April 8, St. Louis; MacMurray College, 1 p.m. Saturday; April 10, Kelly Field; University of Missouri-St. Louis, 3 p.m. Monday; April 12, St. Louis.  
**Current Record:** 12-11-1  

The Bears extended their winning streak versus NCAA Division III foes to five with four interdivisional victories last week. Washington University received a pair of career-high performances from junior outfielder Doug Kalch, Long Beach, N.Y., and freshman catcher Andrew Denlow, Evanston, Ill., Kalch, who last week was named to the USA’s first All-tournament squad with Denlow, delivered three hits, three runs and a career high-four RBIs in the victory over Illinois College. In the win over Maryville, Denlow also drove in four runs, of those with his first career home run.

Joining Kalch and Denlow on the all-tournament team were sophomores Matthew Hendricks, Omaha, Neb, in the javelin and Kyle Palmer, Madison, Wis, fourth in the discus (197”). Twenty seniors were honored during Saturdays Homecoming. The quarterfinal victory was the Bears’ 11th in 12 games.

## Men and Women’s Track and Field

**Last Meet:** Principia Invitational. Washington University’s two senior distance men’s side were junior Jeff Shovalet, West Chicago, Ill., in the high jump (6’6”), and junior Brent Covids, Cincinnati, Ohio, in the hammer throw (174”). The women had one Gold Medalist and seven team members were led by junior Christel Willis, Oxford, Mass, who won the triple jump.

## Women’s Tennis

**Last Week:** Washington 5, William Woods 4; Washington 8, Augusta 1; Washington 5, Wheaton 3  
**This Week:** Washington University, 3:30 p.m. Wednesday, April 7, WU’s Tao Tennis Center  
**Current Record:** 4-3  

The Red and Green pushed their record above the .500 mark for the first time this season with a home-late win over William Woods in a dual match and then taking top honors at the Third Annual Washington University Invitational. Number one singles player Rachel Margolis, Wilmette, Ill., sprained a knee in Tuesday’s match against William Woods. The injury, which threatens to end Margolis’ season, has forced her out of the lineup but has trimmed the number of healthy players to six. Leading the way with three singles wins were junior Karen Vielle, Cincinnati, Ohio, and Stacy Londo, Muskego, Ohio.
Forty student groups are preparing for Thurtene Carnival — from page 1

Thurtene also was impressed by the school’s purpose — to educate the children so that they can function independently, she said.

“The fact that from St. Mary’s are "really excited about the carnival and will be attending the festivities during their spring break, Sullivan added. Of course, everyone gets excited about Thurtene Carnival — from the youngest hoping to play with Fredbird and the Six Flags Looney Tunes (TM) characters, to the Washington students building facades and rehearsing skits for "The Big Show."

"The excitement of the carnival is building across campus," said Chad Schlueter, Thurtene’s internal business chair. "Everyone is working to make the carnival a place where people of all ages will continue to enjoy a comfortable and welcoming environment. We hope that families and college students alike," Timothy M. Laczkowski, president of Thurtene, added. By Wednesday, student and community participation are already on the rise to make the carnival better than ever."

Approximately 40 student organizations,including the University Righteous Booths as well as constructing six facades. Matthew N. Miller, Thurtene’s external business chair who created the carnival theme, explained it this way: "A gap of breath as the ferris wheel reaches its peak; palms sweating on the first date; young wide eyes gazing at wisps of cotton candy; families sharing the fun of a weekend — these incidents are 'Magic of Carnival.'"

In honor of the carnival, Gov. Mel Carnahan has designated April 15-21 as "Thurtene Carnival Week" in Missouri. Chancellor William H. Danforth will greet carnival goers during brief opening ceremonies.

The festive event will feature 18 rides for both children and adults and more than 20 games, including Weekend Warriors, a new entry, where participants shoot targets with pellet guns, and a baseball game that measures individual’s pitching speeds. Among the rides will be the Moonbounce and the Kiddle Coaster for children and the popular Tilt-A-Whirl and the Gravitron for adults. Rides and games including mango shakes, sushi, non-alcoholic Pila Coladas and cheese pies, will be available.

In addition to Fredbird and the Looney Tunes, student groups, others scheduled to appear at the carnival are Sylvester — a Vese sand canary, character from "Looney Tunes"; Tilt-A-Whirl and the Gravitron for adults; and rides, including mango shakes, sushi, non-alcoholic Pila Coladas and cheese pies, will be available.

To help offset traffic woes during "Thurtene Carnival Week" in Missouri, Chancellor William H. Danforth has designated April 15-21 as "Thurtene Carnival Week" in Missouri. Chancellor William H. Danforth will greet carnival goers during brief opening ceremonies.

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Thurtene members and students are organizing pre-carnival events to spark enthusiasm for the main event. The group organized a Thurtene 3-on-3 Basketball Tournament, a Thurtene Throng Five-mile Road Race and a series of Night at the Campus (Urbana, Illinois) events as well as "a Federation's Night" at the Federation's Bar and Grill, 375 N. Big Bend Blvd.

Since 1991, Thurtene has sponsored several pre-carnival events to spark enthusiasm for the main event. The group organized a Thurtene 3-on-3 Basketball Tournament, a Thurtene Throng Five-mile Road Race and a series of Night at the Campus (Urbana, Illinois) events as well as "a Federation's Night" at the Federation's Bar and Grill, 375 N. Big Bend Blvd.

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As the School of Law's acting dean and a member of the American Law Institute, the lecture is co-sponsored by the School of Law and the Assembly Series. For more information about the lecture, call 933-4620.

N oted classicist Philip Levine will give the John and Penelope Biggs Lecture in the Classics/Phi Beta Kappa/Sigma Xi Lecture Series at 11 a.m. Wednesday, April 14, in Graham Chapel. His talk, "Res Publica — Res Populi: The Roman Citizen in Classical Literature," is part of the Assembly Series. He also will give a colloquium on "The Preservation and Transmission of Our Latin Authors" at 4 p.m. Monday, April 12, in the Alumni House living room. Both the lecture and the colloquium are free and open to the public.

Philip Levine

Philip Levine has written about authors as diverse as Canutus and St. Augustine. Since 1984 Levine has served as editor of the Latin Classical Section in Twayne's World Author Series, and since 1986 as a member of the editorial board for Classical Antiquity. He has been a consultant for the Division of Fellowships and Stipends of the National Endowment for the Humanities for more than 25 years.

Levine is a member of the American Philological Association, the Medieval Academy of America and the Renaissance Society of America; among others. His honors include Guggenheim and Fulbright scholarships. Prior to joining the University of California faculty in 1961, he taught at Harvard University from 1947-1959 and at The University of Texas at Austin from 1959-1961.

For more information, call 933-4620.

Wilfred Konneker

W ilfred R. Konneker, president of the Konneker Development Co., St. Louis, has been elected to the Washington University Board of Trustees, Chancellor William H. Danforth has announced.

Konneker received an undergraduate degree and a master's of science degree in law from the University of Colorado School of Law in 1943 and 1947, respectively. He attended Ohio University in Athens. He was an associate in a doctoral program in law in 1947.

A member of many civic and professional organizations, he has been an active and supportive member of the Washington University community. He previously served as an officer of the Alumni Board of Governors and as a representative to the Board of Trustees. He is a Life Member of the University's Eliot Society.
Parents to look beyond the classroom when visiting colleges

April is the most popular month for high school students and their parents to visit college campuses. At Washington University, between 600 and 1,000 prospective students will visit the campus for April Welcome, a University-wide effort that offers admitted prospective students the opportunity to experience a typical day on campus. In the comments below, Chris Loving, associate director of residential life, advises students and parents to look beyond academics when touring a campus. Loving, who oversees Washington's highly regarded training program for resident advisers (RAs), says prospective students should look for schools that have strong programs both inside and outside the classroom.

"Look for diversity," he says. "It can really enhance a student's college experience." Loving, in particular, suggests looking for schools where the student body is ethnically, spiritually and geographically diverse. Also try to find out if the school frequently programs activities aimed at personal growth.

"As* a general counsel, Cannon will be the main communication officer and will be responsible for legal and research activities arising from the University's activities on the Hilltop and Medical campuses, for directing the activities of the professional and support staff in the university's Office of the General Counsel, and for the selection and direction of outside counsel for the university. Cannon is a partner in Wiley, Rein & Fielding of Washington, D.C., where he has general commercial law counseling and litigation practice, with an emphasis on insurance matters. Previously Cannon was a partner in Piper & Marbury, an associate with Wald, Hackerd & Roses, both located in Washington, D.C., and a trial attorney with the U.S. Department of Justice's criminal division. He joined the University's Office of the General Counsel in 1993. While in the government, Cannon conducted investigations and prosecutions of public official corruption cases. Cannon, who was born in Poira, Ill., received a bachelor's degree in mathematics from the University in 1973, a bachelor's degree in politics in 1975 from Oxford University, where he was a Rhodes Scholar, and a law degree in 1978 from Yale Law School. Cannon previously served as a law clerk for a federal court judge in a Court of Federal Claims.

Karen V. Abdelhamid, Ph.D., received a master's degree in clinical ophthalmology from the University of Missouri-Kansas City, Mo. The title of Blake's talk is "The Future Is Not What It Used To Be". John Schnase named director of technology group

John L. Schnase, Ph.D., has been appointed director of the Advanced Technology Group within the Washington University School of Medicine's Biomedical Communications Center, according to Mark E. Fristoe, M.D., associate dean for academic innovation and director of the School of Medicine's Library and Biomedical Communications Center. The Advanced Technology Group is a newly formed research laboratory dedicated to the development of electronic libraries and other computer technologies that advance biomedical communication. The National Science Foundation, telecommunications companies and other sources fund the group.

As director, Schnase works closely with staff from the Institute for Biomedical Computing, a joint department of the medical and engineering schools. A native of Hastings, Neb., he comes to the University from CRS/Architects Inc. in Houston, Texas, where he was executive vice president and director of the Center for Design Innovation.

Karen V. Abdelhamid, division administrator in lipid research and applied physiology, was elected president of the Chicago Section of the American Heart Association. Abdelhamid received a bachelor's degree in 1984, and a master's degree in the same fields in 1984, and a trial attorney for the Department of Justice's criminal division. He joined the University's Office of the General Counsel in 1993. While in the government, Cannon conducted investigations and prosecutions of public official corruption cases. Cannon, who was born in Poira, Ill., received a bachelor's degree in mathematics from the University in 1973, a bachelor's degree in politics in 1975 from Oxford University, where he was a Rhodes Scholar, and a law degree in 1978 from Yale Law School. Cannon previously served as a law clerk for a federal court judge in a Court of Federal Claims.

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Hilltop Campus
The following is a list of positions available on the Hilltop Campus: Information regarding additional positions may be obtained in the Office of Human Resources, Room 126, & Slaght, 930177-5990.

Library Assistant
930157. School of Business. Requirements: Two years of college, bachelor's degree preferred; ability to interact well with library users; ability to explain and interpret library policies; ability to work independently with minimal supervision; typing 35 wpm with accuracy. Clerical tests and three letters of recommendation required.

Benefits Accounting Clerk III
930158. Accounting Services. Requirements: High school graduate; one year benefits accounting experience; six semester hours of accounting and at least six semester hours in business-related courses or three years related experience; must be computer literate; typing 50 wpm with accuracy. Clerical tests and three letters of recommendation required.

Coordinator
930162. Alumni and Development Programs. Requirements: Bachelor's degree; excellent written, expressed and interpersonal skills; self-motivated with attention to detail; ability to pleasantly overcome objections and be effectively persuasive with prospects; able to work effectively with volunteers, donors and prospects, and University staff; able to deal with multiple priorities with minimal supervision, knowledge of University systems and personnel helpful; minimum of five years experience in university or high-level service industry; familiarity with word processing techniques; ability to analyze condense confidential information on major gifts; excellent research and documentation; typing 50 wpm preferred. Clerical tests and three letters of recommendation required.

Editorial Assistant
930164. Anthropology. Requirements: Bachelor's degree, preferably in anthropology, but coursework in anthropology; editorial experience highly desirable. Should be familiar with facsimile machines and word-processing equipment. Typing 50 wpm desirable; dependable, honest and reliable. Typing and telephone skills; experience with word processing software — like word processing and spread sheets — fluently. Clerical tests and three letters of recommendation required.

Department Secretary
930177. Alumni and Development Office. Requirements: Three years general office experience. Clerical typing 30 wpm with accuracy; word processing experience; ability to deal with multiple priorities; specialized secretarial and business training; ability to work well with people; dependable, honest and reliable. Typing and telephone skills; experience with word processing software — like word processing and spread sheets — fluently. Clerical tests and three letters of recommendation required.

Medical Campus
The following is a partial list of positions available at the School of Medicine. Employees who are interested in submitting a transfer request should contact the Human Resources Department at the medical school at 362-4920 to request an application. External candidates may call 362-4715 for information regarding application procedures or may submit a resume to the Human Resources Office located at 4480 Clayton Ave., Campus Box 8002, St. Louis, Mo. 63110. Please note that the medical school does not disclose salary information for vacancies, and the office strongly discourages inquiries to departments other than Human Resources.

Medical Transcriptionist
930552-R. Psychiatry. Requirements: High school graduate/equivalent; some business or technical knowledge preferred; experience with PerfectWord; typing 70 wpm; knowledge of medical terminology.

Medical Secretary I
930573-R. Otolaryngology. Schedule: Part-time, 22.5 hours a week — usually Tuesdays, Wednesdays and Thursdays, with up to four hours per week as needed. Requirements: High school graduate/equivalent; prior experience in a medical setting; ability to deal with the public; good communication and telephone skills; experience with PerfectWord; typing 60 wpm; knowledge of medical terminology and medical transcription.

Data Assistant
930641-R. Allergy and Immunology. Schedule: Full-time, 35 hours a week, 6:30-9:30 p.m., some weekends. Require-

Goodwill pervades entire program — from page 1
program that he is coming back to visit next week and is bringing his wife and daughter with him. They plan to visit the campus and to meet socially with many of the students in the class. "I've known Washington University 'the three weeks I have had in a long time," said Martin of his visit. "Not only did you have talented kids but a wonderful feeling of passion and of wanting to learn the work. Everyone came to class with their eyes open. It was beautiful, beautiful experience."

"Martin's talent is his ability to motivat- ing everyone," said screenwriter and director Sidney Lumet. "The biggest thing for me so far has been the ensemble atmosphere," said Martin. "When class began I knew the person in it, now it's like a support group. I can totally trust my fellow actors."

Goodwill pervades the entire program.

Shelley Winters correspond, then they will just select a different play.
The first teacher to arrive was Enrie Martin, head of the Actors Studio West program based in Los Angeles. He also has his own Los Angeles-based studio and is the husband of television actress Anne. Godwesmith. Martin was at Washington University teaching from Feb. 15 through March 5. In one class, Martin had students read dialogues from previously chosen scripts. Some students were a little nervous, but Martin told the students: "Don't let the script control you. Say something, then look for your partner and say something that will suit your next choice. Play opposite each other, bounce off each other."

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Shelley Winters correspon
didn't find any experience or emotion to

the students in the class. "I've known Washington University "the three weeks I have had in a long time," said Martin of his visit. "Not only did you have talented kids but a wonderful feeling of passion and of wanting to learn the work. Everyone came to class with their eyes open. It was beautiful, beautiful experience."

"Martin's talent is his ability to motivat- ing everyone," said screenwriter and director Sidney Lumet. "The biggest thing for me so far has been the ensemble atmosphere," said Martin. "When class began I knew the person in it, now it's like a support group. I can totally trust my fellow actors."

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