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Virgil resigns, Pankoff named acting Olin dean

Robert L. Virgil, D.B.A., who has served as dean of the John M. Olin School of Business since 1977 and as executive vice chancellor for university relations since 1992, has been named a principal of the St. Louis-based national brokerage firm of Edward D. Jones & Co. Lyn D. Pankoff, Ph.D., vice dean, will serve as acting dean of the school, while a national search for a business dean continues. (See related story below.)

Managing principal John Bachmann announced Virgil's appointment. Virgil, 58,



Robert L. Virgil

will work directly with Bachmann, who heads the rapidly growing brokerage that now has more than 2,300 offices in 48 states, with plans to increase its sales force to 10,000 investment representatives within the next 10 years. Revenues of the brokerage last year were \$500 million and are

expected to climb to \$3 billion over the next decade.

"The Edward D. Jones & Co. opportunity provides me a challenge that I look forward to with great anticipation. The firm has an outstanding record, excellent people and a bold plan for growth," Virgil said. "I envision this opportunity in much the same way I did when I took on the deanship of the Olin School 17 years ago. My 35 years on the campus have meant a great deal to my family and to me. Whatever I have accomplished or gained I owe to Washington University."

"We're extremely pleased to have someone the caliber of Bob, who is recognized as a business education leader in St. Louis and nationally, join our partnership," Bachmann said. "We plan to begin expanding into international markets soon and expect in the future to recreate ourselves into four separate companies. Bob will play a major role in this exciting period of our organization's development."

"Bob Virgil is one of the finest deans and managers with whom I have worked over the years," said Chancellor William H. Danforth. "He has significantly strength-

ened the faculty and student quality at the Olin School, has vitalized its alumni, and has seen it start numerous new academic and research programs. Bob helped breathe new life into the program through energetic leadership, the building of Simon Hall and the establishment of a healthy endowment. He has transformed the school into one of the top business education programs in America and has brought leadership to the entire University."

Virgil joined the Washington University faculty as an assistant professor in 1964

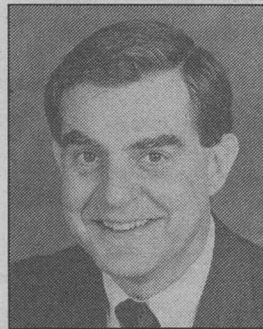
Continued on page 8

Pankoff brings continuity to role

Lyn D. Pankoff, Ph.D., a member of the Washington University faculty since 1967, brings diverse and substantial academic experience to his new role as acting dean of the John M. Olin School of Business.

"We're fortunate that Lyn has agreed to take on this important responsibility. He will bring continuity to the program, and he will have the confidence of those with whom he works," Chancellor William H. Danforth noted.

Pankoff, a professor of quantitative business analysis, received a doctorate in



Lyn D. Pankoff

statistics and an M.B.A. from the University of Chicago in 1967 and 1965, and bachelor's and master's degrees from Case Institute of Technology in 1961 and 1963. He is an ad hoc reviewer of the Decision Sciences and Managerial and Decision Economics journals and a member of the American Statistical Association.

Continued on page 8



As part of their 1993 philanthropy project, members of the Tau Kappa Epsilon fraternity take part in sandbagging efforts in St. Charles, Mo. Pictured above are Dan Backman (center, holding shovel), Chad Schlueter (holding sandbag), Brett Arnold, (behind Backman), and Richard Stein. Since the disaster began, about 15 fraternity members have participated in sandbagging efforts in St. Charles and South County, where they also helped build a levee.

Flood response committee works to mobilize University support

A university-wide flood committee held its first meeting Aug. 5 to discuss ways in which the campus community can help those affected by the crisis. Some 20 committee members from various University areas came together to share whatever information they had — from how to mobilize student and employee volunteers, to locations of food collection centers. The committee will

continue to hold regular meetings as long as flood relief is needed.

Harry E. Kisker, vice provost, heads the flood committee. He is working to coordinate flood relief efforts and alert the campus community about volunteer opportunities. Beginning next week, a bulletin, which summarizes each week's activities and announces upcoming needs, will be distributed. The Record also will carry up-to-date flood news.

Kisker made some introductory remarks at the meeting, thanked the committee members for attending and underscored the need for University participation. Then, one by one, committee members told what they knew.

Bill Brown, of Physical Facilities, told a story of two co-workers displaced by the propane gas tank scare in south St. Louis.

"Be there now as a friend," Brown urged. Everyone agreed that the volunteer effort would go on for months. Even though the media interest continues to fade as the waters recede, the crisis is long from over, Brown said. The hardest part — cleaning up — is still ahead and committee members said the University needs to come out in force.

"A year after Hurricane Andrew, some people are still not in their homes," said Provost Edward S. Macias, Ph.D. "We anticipate a long, slow, painful time for those displaced by the flood. Washington University is one of the largest employers in St. Louis. We attract students from all over the world, with many originally from this area. This is our community. We need to help."

Continued on page 5

Dalai Lama among fall speakers

Anthropologist David Maybury-Lewis, host of the Public Broadcasting Service (PBS) television series "Millennium," is scheduled to open the University's Assembly Series at 11 a.m. Wednesday, Aug. 25, with the Convocation address in Graham Chapel.

British-born Maybury-Lewis, professor of anthropology at Harvard University, is the author of *Millennium: Tribal Wisdom and the Modern World*, a book based on the 10-hour PBS series that originally aired in 1992. He and his wife, Pia, received the 1988 Distinguished Service Award from the American Anthropological Association and the 1992 Rene Dubos Environmental Award for their vision in conceiving Cultural Survival Inc., an organization that seeks to defend the rights of indigenous societies.

The fall series also will include talks by the Dalai Lama of Tibet, author Carlos Fuentes and historian Cornel West.

The Assembly Series, now in its 34th year, offers free lectures to the University community and the public. These lectures are planned and supported by Student Union, academic departments and others, as well as the Assembly Series. Unless otherwise noted, all lectures are held at 11 a.m. in Graham Chapel.

Emmy-winning sportscaster **Bob Costas**, host of NBC's prime-time coverage of the 1992 Summer Olympics in Barcelona, will speak on Wednesday, Sept. 1. Costas, who was named Sportscaster of the Year five times by his peers, began his career at NBC Sports in 1980. Besides

Continued on page 6

In This Issue...

Growing research needs: Washington University School of Medicine to construct three new facilities *Page 2*

Making a connection: Sue Cullen, Ph.D., helps negotiate agreements between industry and investigators *Page 3*

Flood relief training: The American Red Cross is holding on-campus sessions to prepare volunteers *Page 5*

Medical Update

Medical School grows to meet research needs

Over the next few years, Washington University School of Medicine will expand to meet growing research needs by constructing three new facilities. Construction already has begun on a \$12 million Imaging Center for Washington University's Mallinckrodt Institute of Radiology. The other two facilities, a collective \$95 million School of Medicine project, are scheduled for construction in September.

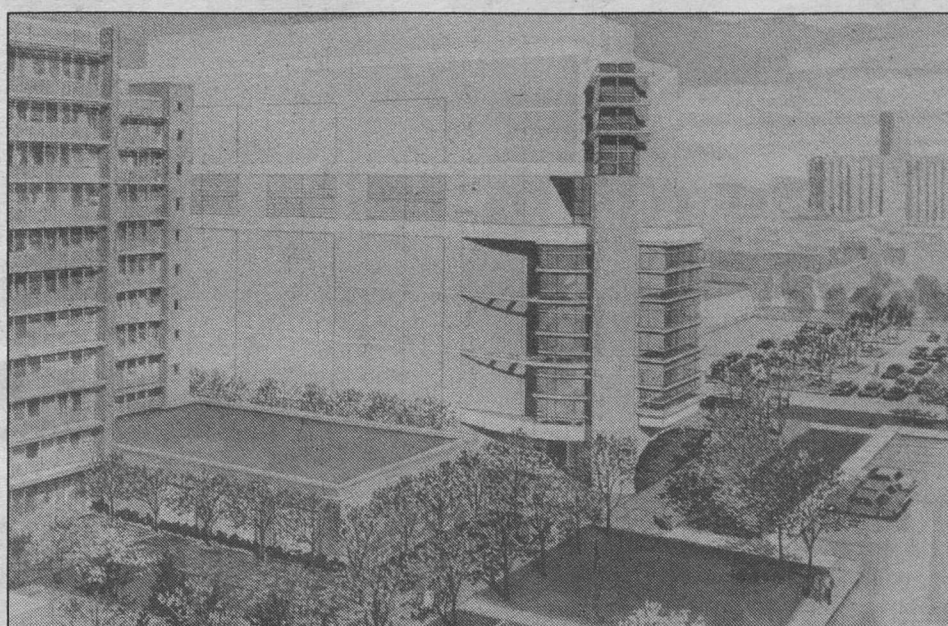
"To achieve our goal of improving health through research means having the best faculty and students, and the right environment for them to work and learn," said William A. Peck, M.D., executive vice chancellor for medical affairs, dean of the School of Medicine and president of Washington University Medical Center. "These new facilities will allow Washington University School of Medicine to maintain and enhance its position as one of the few most productive centers for medical research in the world."

The School of Medicine project includes a 10-story 223,250-square-foot tower addition at the Clinical Sciences Research Building at 4939 Children's Place. The existing Clinical Sciences Research Building is configured as three contiguous towers. The 10-story addition

will constitute a fourth tower and was envisioned prior to the completion of the original building in 1984. This North Tower Research Addition, which will cost approximately \$59.6 million, also will include the renovation and expansion of the basement and ground floor research area of the existing Clinical Sciences Research Building.

The School of Medicine also is building a 127,260-square-foot facility adjacent to the existing McDonnell Medical Sciences Building at 4565 McKinley Ave. The East McDonnell Science Facility will have seven stories and a basement, with expanded facilities of the McDonnell Center for the Study of Higher Brain Function on the first and second floors. The building, which will cost approximately \$34.7 million, will be adjacent to Scott Avenue and between Taylor and Euclid avenues. It will be connected to the McDonnell Medical Sciences Building by an underground tunnel.

The projects have been approved by the University Board of Trustees Executive Committee. These facilities will house centralized animal care facilities and research laboratories designed to meet or exceed all modern standards,



An artist's rendering of the seven-story addition to the McDonnell Medical Sciences Building at 4565 McKinley Ave.

plus office and mechanical space.

Completion is expected in late 1995.

Fred DeWeese, director of design and construction in the Department of Facilities Management at the School of Medicine, said the two-year project is expected to provide 1,100 construction-related jobs. When the expanded facilities open, a number of permanent full-time positions also may become available, but University officials say it is impossible to determine at this time how many permanent jobs will be generated.

CUH2A Inc., an architecture, engineering, planning and interior design firm in Princeton, N.J., designed the structure. Sverdrup Corp., of St. Louis, is the construction management company overseeing the project and coordinating activities of the subcontractors that will do the work.

The 70,000-square-foot Imaging Center, which is being built as part of an effort to increase multidisciplinary studies related to magnetic resonance and positron emission tomography technology, will be an extension of the Mallinckrodt Institute of Radiology and the School of Medicine's East Building at 4525 Scott Ave. It will house lab space, office space and equipment for collaborative studies of

brain structure and function, nuclear medicine, computer imaging, neuropsychology and other subjects. The research will involve faculty from the departments of Radiology, Medicine, Molecular Biology and Pharmacology, Neurology and Neurological Surgery, Psychiatry, Anatomy and Neurobiology, and Chemistry. When the Imaging Center is finished, it will be one of the largest imaging research facilities in the world.

Construction on the Imaging Center began in early July 1993 and is expected to be completed in October 1994.

"The continuation of our faculty's pivotal contribution to the burgeoning field of biomedical science and to the development of new medical treatments requires up-dated, state-of-the-art facilities," said Peck. "These buildings are designed to support the faculty's basic and clinical research, providing them the space, technologies and resources they need to pursue aggressively the frontiers of human wellness and disease."



An illustration of the 10-story tower addition at the Clinical Sciences Research Building at 4939 Children's Place.

Sibley receives award from the Burroughs Wellcome Fund

David Sibley, Ph.D., assistant professor of molecular microbiology at the School of Medicine, has received one of three Burroughs Wellcome Fund New Investigator Awards in Molecular Parasitology for 1993.

The New Investigator Award is for individuals who have made a commitment to research in parasitology. The Burroughs Wellcome Fund established molecular parasitology awards in 1982 in recognition of the pioneering contributions of Sir Henry Wellcome to the study of tropical medicine.

Sibley's award will support innovative studies on the biology of *Toxoplasma gondii*, a protozoan parasite that infects virtually all types of nucleated vertebrate cells. Although it is not normally a major health problem in developed countries, *Toxoplasma* is emerging as a major opportunistic pathogen. In the United States and Europe, toxoplasmic encephalitis occurs in 10 to 30 percent of AIDS patients, often causing death.

Sibley is taking a molecular genetic approach to understanding *Toxoplasma* virulence. He recently reported that virulent forms of the parasite represent a distinct clonal lineage that does not undergo frequent genetic exchange with nonvirulent strains. Not all *Toxoplasma* infections produce clinical disease, and Sibley's work may shed light on whether the genetic heritage of the parasite influences the clinical outcome of infections in humans. Using a mouse model of toxoplasmosis, Sibley plans to identify genes that regulate virulence using methods he recently has

developed for DNA transformation in *Toxoplasma*. A long-term goal of the work is to identify the molecular basis of virulence in toxoplasmosis that may potentially lead to improved treatment.

The Molecular Parasitology Award Program is offered annually by The Burroughs Wellcome Fund, a non-profit foundation organized to advance medical

knowledge by research. The fund also supports other scientific, scholarly and educational programs in the United States. In addition to Sibley, Jean Feagin of the Seattle Biomedical Research Institute and Phillip Scott of the University of Pennsylvania each will receive a \$60,000 award during the next two years from The Burroughs Wellcome Fund.

Society for Investigative Dermatology honors Eisen

Arthur Eisen, M.D., professor of medicine, has been given the Stephen Rothman Memorial Award from the Society for Investigative Dermatology. The society's highest award was established in 1966 to recognize distinguished service to investigative cutaneous medicine. Eisen, head of the Department of Medicine's Division of Dermatology, recently received the award at the society's annual meeting.

Eisen's research focuses on studying a family of enzymes known as extracellular matrix metalloproteinases. These enzymes are responsible for degrading important connective tissue proteins, such as the collagens, which help bind together and support various body structures. Eisen's laboratory has shown that these enzymes play an important role in tissue repair and early tissue development. He also has examined their role in the pathology of inflammation, tumor invasion and metastasis. Substances that inhibit metalloproteinases may prove to be valuable for treating diseases such as cancer and rheumatoid arthritis.

Eisen came to St. Louis from Harvard Medical School, where he was an assistant professor of dermatology and assistant dermatologist at Massachusetts General Hospital. He joined the faculty at Washington University in 1967 as an associate professor of medicine, head of the dermatology division and dermatologist-in-chief for Barnes Hospital. He became a professor in 1971, and he was named the Winfred and Emma Showman Professor of Dermatology in 1985.

Eisen's honors include serving as past president of the Society for Investigative Dermatology and past president of the Association of Professors of Dermatology. He is a member of several professional medical societies, including the American Dermatological Association, the American Society for Clinical Investigation and the Association of American Physicians, and he has served as a board member for several organizations. Eisen is an associate editor for the medical journal Matrix.

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Washington
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Cullen moves from lab to research support

Receiving tenure opened up many unexpected opportunities for Sue Cullen, Ph.D.

Shortly after, she was invited to serve on several committees. Next came an offer to become course master. Then came requests for her to organize various student programs.

"When you get tenured, you start to be called upon to be a citizen of the community. Every time I took a new committee position or did something I hadn't done before I learned about things that went on in the institution that I never knew about. I liked it. I became much more interested in the institution and how it worked."

Cullen discovered firsthand that a lot of what goes on within the University is transparent to the faculty. But that's as it should be, she says.

"The faculty is here to do research and to teach students, and they don't know about a lot of what goes on behind the scenes to support that. But it was interesting to me to understand how it worked. As I learned more, I saw some ways I could help it work."

Cullen began contemplating a career change.

From the time she was a student working in Stan Nathanson's lab at the Albert Einstein College of Medicine in New York, to her postdoctoral stints at the National Cancer Institute and the Basel Institute for Immunology, to joining the University's School of Medicine faculty in 1976, Cullen focused her research on immunology. She studied interactions of immune system cells and how the cells become triggered to start an immune response when they meet antigens.

"I had been working in that specific area of research for 20 years and I was at a stage in my life where I was thinking about what to do in the next 20 before I would retire," says the professor of both molecular microbiology and genetics. "I wanted to broaden the kinds of tasks that I was doing."

She wanted a leadership position that would allow her to continue working with faculty and use her scientific background. She found it in the Research Office. Ed MacCordy, formerly head of the office, hired her as director of sponsored projects and arranged for her to work part time for six months, so she could learn the position and phase out her laboratory.

Cullen, a prolific author of articles on immunology and transplantation, an editor for major scientific journals and a member of numerous professional societies, left bench science.

During her break-in period in the Research Office, which serves both the Hilltop and School of Medicine campuses, she helped get patents filed and learned from MacCordy and Duke Leahey, director of Industrial Contracts and Licensing, some of the skills required to interact productively with companies. She also took a University College course in biotechnology and the law, a course she now teaches.

The Research Office handles numerous activities pertaining to external financial support for research, including funding from federal and state agencies, voluntary health organizations and the corporate sector. The office helps faculty find sources of support, provides assistance in the proposal submission process, handles federal subcontracting, establishes contracts with industrial sponsors, provides some of the University's compliance functions and interfaces with other University offices regarding grants administration. In addition, the Research Office oversees a program to develop additional support for the University and faculty by transferring commercially useful ideas to the corporate sector through licensing.

Following MacCordy's retirement in 1991, Cullen served as the office's interim director. In 1992 she was named associate vice chancellor for research, making her one of the highest ranking women at the University.

Regarding her position, Cullen says, "I think it utilizes my scientific skills, and it is extremely interesting work. I get to participate in helping the faculty find funding and in getting technology that's developed in the institution into a mode where it may be commercialized and become available to benefit people."

She's also helping to develop guidelines on how the institution can collaborate with industry to support research and not deviate from the institutional mission.

The Research Office is the last step before a grant application leaves the University. Cullen's staff makes sure all the grant application forms are together and assembled correctly before adding the institutional signature. The medical school alone sends out approximately 1,200 grant applications a year.

More than 50 percent of the submitted grants arrive in the office within three days of the deadline. And of those, approximately 50 percent come in on the last day. "It is a

pressure kind of situation. But they can't be late. They have to go out. People stay here very late to enable them to go out. It's a very dedicated staff," Cullen says.

Once a grant is awarded, the Research Office notifies the appropriate offices to get the money flowing. The office also establishes subcontracts with other institutions and handles subcontracts coming into the institution.

Cullen's office also does fund searching to help junior faculty, researchers from other countries and anyone who needs guidance on where to apply for funding.

• CytoTherapeutics Inc. in Providence, R.I., is developing membrane products to treat diabetes through the implantation of encapsulated living cells, based on continuing research by Paul Lacy and David Scharp.

"We establish the contracts that underlie those relationships and in doing so we have to make sure the investigator's academic freedom is protected. We have to make sure faculty can publish their work. Sometimes companies think that if they're paying for research, it really belongs to them and they can determine whether it gets published. That is not how the University operates."

"There is an education process that has to go on before you can actually establish a relationship between companies and the University. The company has to learn what the University needs and the University has to accommodate, to some extent, what the company needs."

Negotiating agreements takes time and intense effort, often requiring two to three months to complete. Currently the University has about 50 active agreements (research contracts that have been signed between the University and company), and is in the process of negotiating 10 more.

A long-range office goal is to substantially increase the percentage of industry funding.

"I think that we're challenged to do more ventures with industry because the federal arena doesn't look like it's going to be expanding anytime soon," says Cullen. "This institution has a wonderful track record of getting federal support. And it is still increasing the amount of money it gets from the federal government, but the percentage increase has been smaller every year. If we're going to bring in more funds to the institution, it looks like getting it from companies is the area that is most susceptible to expansion."

The School of Medicine gets roughly 80 percent of its research funding from the federal government, 10 percent from foundations and 10 percent (\$13 million this year) from companies.

Companies can probably get work that they need done more cost effectively, especially in the discovery phase of research, if they place some of their funding in universities, says Cullen. A company, she points out, can't afford to have research programs going on in as many areas as universities.

"The task that we have is to make the right marriages. Find the company that's interested in what we're doing," says Cullen. "We don't want to divert the research direction of the institution to satisfy companies. We want to maintain the research direction that our faculty is interested in pursuing, but at the same time, find out what companies have interest in the same areas."

The topic makes for lively discussions between Cullen and her husband, Benjamin D. Schwartz, director of immunology for Monsanto Corporate Research. Schwartz formerly headed rheumatology at Jewish Hospital and was professor of internal medicine at the School of Medicine. He continues to hold a faculty position as adjunct professor.

"We talk work more now than we did before I changed jobs. We used to work in very similar areas. We went to the same meetings during the day. We actually saw each other a fair bit during the day. There was not much to catch up on at home as far as work was concerned. Now we're both in different environments. He's in industry and I'm in a different job altogether so we have more different experiences to share. But we do spend a lot of time talking about the kids and stuff like that."

Cullen has two boys, ages 16 and 13. She says they have a far greater understanding of what their father does for a living than their mother. "They can visit a lab and kind of get the idea of what their dad does. But the idea of how you negotiate a contract doesn't really get them excited."

Cullen says she doesn't miss the lab, partly because she still feels like she's doing experiments. "I'm getting answers to questions and I'm trying to see how to reach a particular endpoint. It has a lot of similar characteristics to bench science."

She does, however, miss her students. To remedy that, she has begun teaching at University College.

She also is a founding member and currently serves as secretary of the University's Academic Women's Network. One of very few women at the University to reach higher-level administrator status, Cullen sees her role in the Academic Women's Network as connecting women faculty to one another for mutual support. "I combine what I do in the Research Office with my interest in the advancement of women's careers. I take the kinds of things we can do for everybody in the institution and make sure that women don't miss out on those opportunities."

—Joni Westerhouse



"The task that we have is to make the right marriages. Find the company that's interested in what we're doing."

"We are one piece in a rather large puzzle that supports the management of grants in the institution. That is one of the things I refer to as being very transparent to faculty. They have no idea that there are probably 100 people in the institution who are helping them when a grant comes in," she says.

Fitting companies with investigators is an area where the office is more independent and where the most growth is expected. Cullen and her staff work one-on-one with faculty and companies to establish funding arrangements for research.

"We provide the formal link between the company and the investigator because those kinds of funding arrangements have to be accompanied by a contract," Cullen says. "An understanding has to develop between the institution and the company about what each party's obligations are so that it is clear to everybody what's expected."

Agreements the Research Office has helped to formalize include:

• An \$8 million five-year collaborative agreement with Hoffman-La Roche Inc. to establish Dennis Choi's Center for the Study of Nervous System Injury. In addition to financial support, Hoffmann-La Roche will provide technical expertise and patent law services, and also may develop pharmaceutical products that result from the collaboration.

• LipoMatrix Inc., a start-up company, was formed to commercially develop new breast implant technology pioneered by Leroy Young, Judy Destouet, John Eichling, Louis Gilula and Barbara Monsees.

Calendar

Aug. 26–Sept. 4



Exhibitions

"Everything Nice: Sugars and Spices in Medical History." Through Oct. 1. Glaser Gallery, School of Medicine Library. Hours: 9 a.m.-9 p.m. weekdays; 1-5 p.m. weekends. For more info., call 362-7080.

"Humanizing Technology: Howard Jones and the Shape of Light and Sound." Sept. 10-Oct. 31. Gallery of Art, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 935-4523.

New Fine Arts faculty exhibit. Through Sept. 12. Bixby Gallery, Bixby Hall. Hours: 1-5 p.m. weekdays and weekends.



Lectures

Thursday, Aug. 26

Central Institute for the Deaf (CID) research seminar. "Steady-state Retinal Evoked Potentials to Uniform Field and Pattern Stimulation: I. Physiological Aspects and Clinical Applications by Benedetto Falsini, visiting research scientist from the Eye Clinic, Catholic University, Rome, Italy, and II. Flicker and Pattern Evoked Potential Recording: Program Implementation in LabView 2," by Arnold Heidbreder, senior design engineer, and D.J. Meyer, project engineer/network manager, CID. Second Floor Aud., Clinics and Research Bldg. 4 p.m.

Friday, Aug. 27

Pediatric Grand Rounds. "There's a Fungus Among Us," George S. Kobayashi, prof., Dept. of Internal Medicine and Molecular Microbiology. Clopton Aud., 4950 Children's Place. 9:15 a.m.

Tuesday, Aug. 31

Neurosciences thesis defense. "The Distribution and Regulation of Chick Prion-like Protein," Frances Johnson, Neurosciences Program. Room 928 McDonnell Medical Sciences Bldg. 10 a.m.

Wednesday, Sept. 1

Assembly Series lecture. Bob Costas, sportscaster. Graham Chapel. 11 a.m.

Thursday, Sept. 2

Genetics seminar. "Chromatin Structure and Gene Expression in *Drosophila*," Sara Elgin, prof. of biology. Room 816 McDonnell Medical Sciences Bldg. Noon.

Chemistry seminar. "Rational Design of Functional Mimics of Superoxide Dismutases as Pharmaceutical Agents," Dennis P. Riley, Monsanto Co. Room 311

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.

Calendar submissions should state time, date, place, sponsor, title of event, name of speaker(s) and affiliation, and admission cost. Quality promotional photographs with descriptions are welcome. Send items to Judy Ruhland at Box 1070 (or via fax: 935-4259). Submission forms are available by calling 935-4926.

The deadline for all entries is noon Tuesday one week prior to publication. Late entries will not be printed. The Record is printed every Thursday during the school year, except holidays, and monthly during the summer. If you are uncertain about a deadline, holiday schedule, or any other information, please call 935-4926.

1993-94 Academic calendar

Fall semester, 1993

Wednesday, Aug. 25	Classes begin
Monday, Sept. 6	Labor Day
Friday, Oct. 15	Fall break
Wednesday, Nov. 24	Thanksgiving break begins
Sunday, Nov. 28	Thanksgiving break ends
Tuesday, Dec. 14	Examinations begin
Tuesday, Dec. 21	Examinations end

Spring semester, 1994

Monday, Jan. 17	Martin Luther King Jr.'s birthday
Tuesday, Jan. 18	Classes begin
Monday, Feb. 21	President's Day
Monday, March 14	Spring break begins
Sunday, March 20	Spring break ends
Thursday, May 5	Examinations begin
Thursday, May 12	Examinations end
Friday, May 20	Commencement

McMillen Lab. 4 p.m. (Refreshments following.)

Friday, Sept. 3

Cell Biology and Physiology seminar. "Regulation of the Eukariotic Cell Cycle by Reversible Phosphorylation," Helen Piwnicka-Worms, Harvard U. Room 423 McDonnell Medical Sciences Bldg. Noon.

English lecture. Ann Coiro, candidate for a department position in Renaissance literature. Hurst Lounge, Room 201 Duncker Hall. 4 p.m.



Music

Thursday, Aug. 26

Chamber Choir Auditions. Tietjens Rehearsal Hall. Call 935-5581 to schedule appointment. 4-7 p.m.

Friday, Aug. 27

Black Composer Repertory Chorus Auditions. Blewett Hall, Room B-10 and B-2. Call 935-5581 to schedule appointment. 1-4 p.m.

University Chorus Auditions. Blewett Hall, Room B-10 and B-2. Call 935-5581 to schedule appointment. 1-4 p.m.

Vocal Jazz Auditions. Blewett Hall, Room B-10 and B-2. Call 935-5581 to schedule appointment. 1-4 p.m.

Saturday, Aug. 28

Chamber Winds Auditions. Tietjens Rehearsal Hall. Call 935-5581 to schedule appointment. 1-4 p.m.

Sunday, Aug. 29

Orchestra Auditions. Tietjens Rehearsal Hall. Call 935-5581 to schedule appointment. 1-4 p.m.

Tuesday, Aug. 31

Jazz Band Auditions. First Congregational Church of St. Louis, 6501 Wydown Blvd. Call 935-5581 to schedule appointment. 7:30-10 p.m.

Wednesday, Sept. 1

Piano recital. James Doering and Erik Entwistle, duo pianists. Graham Chapel. 8 p.m.



Miscellany

Thursday, Sept. 2

Dance discussion and performance. "Sensual Spaces: Women and Spirituality," Jan Erkert, Chicago-based dancer/choreographer, with excerpts of the work performed by WU students. Mallinckrodt Center Dance Studio, Room 207. 4 p.m.

University's summer news recapped

For those who have been away from campus during the summer, the Record provides the following news recap:

- Robert Thach, Ph.D., professor of biology, was appointed dean of the Graduate School of Arts and Sciences, effective July 1. Thach succeeded Edward N. Wilson, Ph.D., who returned to the Department of Mathematics as a full-time professor.

- Robert Waterston, M.D., Ph.D., acting chairman and professor of genetics at the School of Medicine, received a \$29.7 million grant to continue his work in the human genome project.

- John L. Kardos, Ph.D., professor and chair of chemical engineering, was installed as the Francis F. Ahmann Professor of Chemical Engineering.

- The University suspended indefinitely the charter of the Alpha Iota chapter of Beta Theta Pi fraternity and closed its campus house to chapter use. The move followed a thorough review of the chapter's compliance with Terms of Probation set down during the 1992-93 academic year.

- Chancellor William H. Danforth announced the election of two new individuals to the Board of Trustees. The new members are J. Cliff Eason, president of Southwestern Bell Co. of the Midwest, St. Louis, and Earle H. Harbison Jr., chairman of the executive committee of Monsanto Co.

- Washington University Medical Center recently became home to a proto-

type machine that applies "Star Wars" defense technology to medical needs. The machine, called a tandem cascade accelerator, may make certain radiological examinations cheaper and more widely available.

- Steve Givens, editor of Washington University Magazine, co-wrote a song, hoping it might raise money for area flood victims. He will accomplish his goal, now that the song has been made into a video, which aired on The Nashville Network. The video has a tag line that asks for Salvation Army flood relief donations. Given's music trio also has been asked to perform in major benefit concerts.

Small fee charged for computer courses

Starting this fall, a small fee will be charged for Educational Computing Services (ECS) short courses because ECS can no longer provide computer training without a cost-recovery procedure. University faculty, staff and students will be charged on a per person basis for all ECS training, including private tutoring. Costs will be as follows: two-hour course, \$30; three-hour course, \$50; and six-hour course, \$95.

ECS short courses cover a range of topics related to microcomputer and network applications. For more information about the courses or for a free catalog, call 935-5313.

Sports

Bears stand ready for battle

Football

In terms of wins and losses, Washington's football program has made tremendous strides in recent years. Case in point: the Bears have won 17 games in the 1990s, seven less than they won during the entire 1980s. But now, the team and its followers are itching for more.

As the Bears embark on their 1993 campaign, there is already one encouraging sign for the program's future — Washington is beginning its two-a-day practices with a roster of 100 players. It's the first time in recent memory the squad size has swelled to triple figures.

In addition, 15 offensive and defensive starters are slated to return this fall, including quarterback Aaron Keen (Cheyenne, Wyo.), a 1991 first-team all-UAA performer. He is returning following successful surgery to his left knee, which he injured in the season's sixth game.

Other top returnees include three-time all-UAA tackle Jeff Doyle (Arnold, Mo.), considered by some NFL scouts as a professional prospect; tight end/defensive end John Keen (Cheyenne, Wyo.), who last year became the first player in the UAA to earn all-conference honors on both offense and defense; running back Todd Hannum (Maryville, Tenn.), averaging 3.8 yards per carry in 1992; middle linebacker Matt Gomric (Belleville, Ill.), who established a single-season record with an incredible 169 tackles last year; and wide receiver Ted Gregory (Elkhorn, Neb.), one of the team's most talented athletes.

Soccer

Despite the loss of eight lettermen, seven of whom graduated, Washington's men's soccer team could challenge for their fifth UAA championship in seven years.

Although the Bears' losses are large in number, many of the top players return. Four of the team's top five scorers are back as well as the goalies. Washington's princi-

pal returnee is senior Kyle Draeger (Columbus, Ind.), who earned first-team all-UAA and all-region honors after scoring seven goals from his sweeper position in 1992.

Also back is leading scorer Kevin Neebes (Cleveland, Ohio), who tallied nine goals and four assists last year to earn first-team all-region kudos. Returning to the backfield is senior Scott Jones (Cincinnati, Ohio), a second-team all-UAA honoree despite a knee injury.

Other top returners are: junior Tim Stewart (St. Charles, Mo.), with a sub-1.00 GAA; senior Brent Garcia (San Jose, Calif.), 6 goals, 2 assists; senior Jason Felsman (Quincy, Ill.), 2 goals, 2 assists; and junior Daam Barker (Cincinnati, Ohio), 1 goal, 3 assists.

Volleyball

Twenty-one months ago the Washington volleyball team lost a marathon of a match to the Air Force Academy in Colorado Springs, Colo.

Forty-five straight wins and two national championships later, perhaps it's time the rest of Division III summoned the Army, the Navy and the Coast Guard as well.

With an unprecedented four returning All-Americans in hand, some would contend that head coach Teri Clemens is playing with a stacked deck this year.

Leading the pursuit are senior middle blocker Amy Sullivan (St. Louis), senior setter Leslie Catlin (Lawrence, Kan.), junior middle blocker Amy Albers (Washington, Mo.) and junior outside hitter Anne Quenette (Springfield, Ill.) — all of whom joined the now-graduated NCAA Division III Player of the Year Lisa Becker as 1992 All-Americans.

That foursome, coupled with superior upperclass depth and a talented crop of freshmen, have the Bears pointed toward a repeat performance.



Brian Lerner, a freshman business major from San Bernardino, Calif., helps unload donated goods for flood victims.

Students pitch in to aid flood victims

When Jeremy Boyle of Pittsburgh first learned he would be among 81 Washington University freshmen participating in St. Louis' flood relief efforts, he envisioned being on the front line, helping with the massive cleanup.

But the American Red Cross needed Boyle and his peers elsewhere. So on a sweltering hot day in August when the temperature peaked at 95 degrees, the freshmen, along with 15 upperclass students who served as counselors, traveled to two area warehouses. There, they helped unload, sort and take inventory of hundreds of items donated to flood victims.

The students' efforts were part of the University's annual Leadership and Service in St. Louis Program, which offers freshmen a firsthand look at St. Louis through community service work. Under the program, which is sponsored by the Office of Student Activities, freshmen may volunteer for tasks ranging from serving lunch in a homeless shelter, to playing games with children in a day-care center. However, because of the devastation caused by the flood, organizers decided to focus all volunteer efforts on flood relief this year. The program was held Aug. 16-20.

"At first I preferred to be doing something that would directly help the flood victims, like cleaning up," said Boyle, who helped unload items from the trucks and also sorted clothing. "But then I realized that what we did was just as important. I felt really good when the victims came through and took the things they needed. Then I felt that what I was doing was directly helping them. At one point, a little boy came in with his mother. I kept thinking how hard it must be for a little kid to have his toys lost. I really felt sympathy for him."

Freshman Carla Cartwright, an Ervin Scholar from Memphis, Tenn., contemplated serving food to those displaced by the flood. But the feelings that erupted while she cataloged baby supplies and assembled back-to-school kits were unexpectedly powerful. "I kept thinking about families who had everything they owned taken by the flood — about the mothers who did not even have formula for their children," said Cartwright, who chaired the United Way of Memphis' Youth Campaign Committee. "I then realized the full extent of the flood, that it has affected babies, too. I felt good helping because children have so little control. They are really at the mercy of the world."

By the end of the students' stint at the warehouses, most of them realized that their

behind-the-scenes work was equally as significant as interacting directly with flood victims. Program organizers applauded the students' transformation. There is a lot of important volunteer work being done that "never gets on the news," said Dawn Huber, a junior from Springfield, Mo., a second-time counselor, and, like all counselors, a former program participant. "We really need to emphasize that just because you are not interacting with people does not mean you are not helping them."

Helping students identify their skills to assist others is the basis of the Leadership and Service in St. Louis Program. "I would like the students to leave the program with an understanding of what their leadership skills are and how they can use their skills to help others," said Kim Elliott, the assistant director of student activities who helped create the program more than three years ago. "I want them to feel energy, motivation and empowerment. I want them to feel they can make changes — they can change the world."

In addition to acquainting freshmen with the St. Louis community, the leadership program allows them to get to know each other and the University environment. Besides the flood relief effort, other program activities included such icebreakers as a peanut butter and jelly sandwich-making competition (sandwiches were donated to the Operation Food Search charity), a picnic, scavenger hunt and bowling outing; and team exercises, where, among other requests, the students were asked to describe their favorite foods using hand gestures. On the more serious side, other features included leadership and cultural diversity workshops, goal-setting exercises, an academic panel presentation; and a talk by James E. McLeod, dean of the College of Arts and Sciences.

The program was "a very good opportunity to get acquainted with the campus, with other freshmen, and with the city of St. Louis," said Boyle. The Leadership and Service in St. Louis Program also has helped students respect each other's cultural differences. When counselor Brian Davis first arrived on campus, the ethnic, religious and intellectual diversity among the students was "a major cultural shock" for him, he says. Davis is from Gresham, Ore., a predominantly white, middle-class, Christian community. But after attending the program, Davis said, "I understand people better and appreciate their differences."

—Carolyn Sanford

Red Cross offers flood relief training

American Red Cross flood (ARC) relief training is being provided on campus for anyone who wishes to attend. The training, which is being offered at the George Warren Brown School of Social Work, is organized by Project Response, the task force on flood relief at the social work school.

Family Services/Case Management training will be offered from 6 to 10 p.m. Aug. 26 and 9 a.m. to 1 p.m. Aug. 28. Both sessions will be held in Room 307 Brown Hall. Attendance for each session is limited to 25-30 persons. Following training, volunteers will be asked to provide coverage in one of the 20 ARC family service centers. Duties include: crisis intervention work, information and referral, and assistance with program forms. Liability coverage is provided for volunteers who receive this training.

For more information or to pre-register for the training, contact the social work school's Office of Field Education at 935-6661.

The ARC training will prepare volunteers to help with many volunteer opportunities. The ARC has the following needs:

- Case management workers to conduct assessment interviews and provide crisis

intervention, call Family Service Office at 997-5148;

- Shelter management volunteers to work eight-hour shifts in shelters;
- Damage assessment volunteers to drive through flooded areas to verify damage;
- State licensed volunteers to provide counseling services to flood victims;
- Volunteers to work eight-hour shifts on 24-hour information and referral hotline.

The contact person for ARC volunteer opportunities is Sue Woolweaver at 658-2022.

Other volunteer opportunities include:

- Salvation Army, 533-6861 or 550-3302, needs volunteers to do case work, intake/assessment, information/referral and counseling for a six-month period;
- United Way, 539-4080, needs people to do computer searches of sources to develop a catalog of volunteer/assistance resources, set up spreadsheets using EXCEL or LOTUS, compile ARC report data, conduct on-line computer searches with the St. Louis Post-Dispatch archives data to trace flood information. United Way (contact 539-4062) also needs people to help manage volunteer efforts, work as case managers, serve on 24-hour hotline and organize warehouse information.

Flood response committee —from page 1

Macias told committee members not to underestimate Washington University's ability to help. "We're a large group. It could be very positive to work for such a significant goal," he said.

During the meeting, James S. Diamond, Ph.D., director of Hillel House and adjunct professor of modern Hebrew languages and literatures, said the Jewish community already has been quite involved in flood efforts. Hillel has participated in a number of flood-related community service projects and more students are ready to take direction, he said.

The Hillel Foundation is one of the official drop-off centers for the Jewish Federation of St. Louis' flood relief efforts. Hillel is collecting canned (non-perishable) food, baby formula, powdered milk, toiletries, disposable diapers, cleaning supplies and paper goods, such as paper plates, plastic flatware and napkins. Organizers ask that people do not donate clothes or items in glass containers. People can drop off items from 9 a.m. to 5 p.m. Monday through Friday at Hillel House, 6300 Forsyth Blvd. Two collection barrels have been placed in the front foyer. In addition, Hillel's Committee on Community Service is studying flood relief options. For information on how to get involved, call 726-6177.

Flood committee member Tracy Swatts Whitfield, program director of the Campus Y, said she hopes to help mobilize student volunteers. Also, Marcia Hayes-Harris, a flood committee member and assistant director of Residential Life, included information about flood relief activities in the official Orientation packets.

Cathy Lazarus, M.D., a flood committee member and director of Student and Employee Health and assistant dean of student affairs at the School of Medicine, gave a presentation to entering medical students about flood assistance. Medical students Lisa Oldham and Todd Vedder responded to the need and are coordinating medical school participation. Oldham and Vedder are planning to sell a specially designed T-shirt with proceeds going to flood relief. They are asking for T-shirt designs from anyone who is interested.

The students also want to join the school supplies drive sponsored by Channel 4 and Target. Oldham and Vedder will be putting collection boxes on both campuses for notebooks, pencils and related supplies. For more information, call 367-6356.

Gloria W. White, vice chancellor for human resources and affirmative action officer, said there will be a great need for people to care for children as parents clean up their homes. "These are opportunities our students might help with," she said. White also circulated a list of 83 Washington University employees who already have volunteered for American Red Cross duties or who stand ready to help.

People interested in volunteering with the American Red Cross should fill out a form in the Office of Human Resources, Room 126 North Brookings. The human resources office sends the names to the American Red Cross. White mentioned that

employees who have been affected by the flood are taking advantage of interest-free loans that the University is providing. Other employees who need loan assistance should call 935-5990.

White also shared the story of one employee whose home was destroyed by the flood. She passed around pictures showing the devastation. At the time of the meeting, White said she knew of three employees who were displaced by flood waters. Some employees had to evacuate their homes because of the threat from the propane gas tanks.

Departments, student organizations or individuals who want to volunteer for flood cleanup efforts should contact the Salvation Army at 1-800-935-6639. Volunteers are needed every day.

The St. Louis Area Food Bank needs volunteers to sort and package food for flood victims. To help, call Frank Finnegan at 383-3335.

For more information about the University's participation in flood relief, call Harry Kisker at 935-4809.

—Deborah Parker

Free tetanus booster shots available

Faculty and staff who have been exposed to flood water may want to take advantage of the free tetanus booster shots that are available through the St. Louis area immunization units. Tetanus is an acute, often fatal infectious disease caused by bacteria.

"The infectious disease risks in this kind of situation are negligible, if everyone uses common sense and good handwashing," said Laurie Reitman, M.D., director of the Health Service on the Hilltop Campus. By taking these steps, she added, individuals reduce the likelihood of contracting viral illnesses and salmonella and shigella bacteria. "Greater risk stems from lumbar strain, heat stroke, dehydration or sunburn. Everyone exposed to the sun and heat for long periods should drink plenty of fluids and use sunscreen."

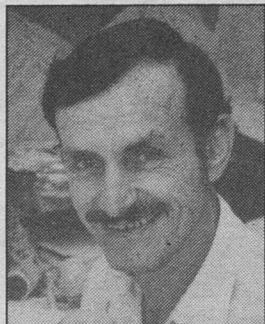
Reitman emphasized, however, that flood victims are not the only individuals who should be concerned about tetanus shots. "There are approximately 50 cases of tetanus deaths reported in the United States each year. This is entirely preventable," she said. To avoid catching the disease, everyone should get a tetanus shot every 10 years, she said. Persons injured while outdoors should make sure they have received a shot within the last five years, she added.

For more information about the free shots, city residents may call the St. Louis Immunization Unit from 8 to 11:30 a.m. weekdays at 658-1064. County residents may call the St. Louis County Department of Health's Communicable Disease Control Office from 8 a.m. to 5 p.m. weekdays at 854-6630. The St. Clair (Ill.) County Health Department will only provide free shots for flood victims and relief workers. St. Clair residents may call the department from 8 a.m. to 4 p.m. weekdays at (618) 233-7703.

World's tropical plant expert Alwyn Gentry dies in plane crash

Internationally renowned scientist Alwyn Gentry, Ph.D., adjunct professor of biology and senior curator of the Missouri Botanical Garden, died Aug. 3 in a plane crash in Ecuador. He was 48. Reports of his death were published in The New York Times and in publications worldwide.

Three other people also died in the crash, including American ornithologist Theodore A. Parker III, a senior scientist with the Washington, D.C.-based Conservation International. Three other biologists survived the crash.



Alwyn Gentry

The scientific group was doing an aerial survey of the coastal area of Ecuador, 350 miles southwest of Quito, when the crash occurred. They were on a trip for Conservation International's Rapid Assessment Program. The program's goal is to inventory the biodiversity of previously unmapped areas in the tropics. Gentry and Parker founded the program four years ago.

"This is a terrible loss," said Walter H. Lewis, Ph.D., professor of biology, who was Gentry's doctoral adviser at Washington. "Al was a dynamic student with a genius for observing plants. Thank God he was able to put so much of his knowledge into book form before he died. He died for a cause he believed in deeply and for an organization he valued highly."

"We feel Al's loss very deeply," said Peter H. Raven, Ph.D., Engelmann Professor of Botany and director of the Missouri

Botanical Garden. "He was undoubtedly one of the most knowledgeable people in the world about the complex flora of Latin America. With the passing of Al Gentry, the botanical community, and indeed the world, has lost an invaluable resource. And the garden has lost a valued, longtime staff member."

Gentry received both a bachelor's degree in botany and a bachelor's degree in physical sciences from Kansas State University in 1967. He received a master's degree in botany from the University of Wisconsin-Madison in 1969 and a doctorate in biology from Washington University in 1972.

Gentry joined the Missouri Botanical Garden staff in 1971. He became faculty associate of biology at Washington in 1975 and adjunct professor of biology in 1980.

Gentry made more than 70,000 botanical collections during his lifetime. He was considered the world's expert on woody tropical plants. Shortly before his death he published *A Field Guide to the Families and Genera of Woody Plants of Northwest South America*, which was published by Conservation International.

Gentry is survived by his wife, Rosa Ortiz de Gentry of St. Louis; a son, Darrell Gentry of St. Louis; two daughters, Diane Gentry of St. Louis and Maria Liana Gentry of Asuncion, Paraguay; his mother, Goldie Gentry of Peru, Neb.; and two sisters, Sharon McCaslin of Peru, Neb., and Linda El-Dash of Brazil.

A memorial service was held on Aug. 20 at the garden's Shoenberg Auditorium. Memorial contributions may be sent to the Alwyn Gentry Memorial Fund, in care of the Missouri Botanical Garden, P.O. Box 299, St. Louis, MO 63166.

Assembly Series enters 34th year —from page 1



Bob Costas

seating will be limited.

The 14th Dalai Lama of Tibet, His Holiness Tenzin Gyatso, will speak on "Altruism and World Affairs" at 4:30 p.m. Sept. 7 in the Field House. The Dalai Lama, the exiled leader of the Tibetan people, won the 1989 Nobel Peace Prize for his peaceful struggle to free Tibet from the People's Republic of China. The Dalai Lama, along with his government and thousands of Tibetans, established a democratic government-in-exile in India after escaping Tibet in 1959. In 1991, the U.S. Congress declared Tibet "an occupied country" whose "true representatives are the Dalai Lama and the Tibetan government-in-exile."

Free admission tickets to the Dalai Lama's lecture (one per person) will be available on a first-come, first-served basis. Tickets for the University community on the Hilltop Campus will be available at Olin Library as follows: faculty and staff, 8-9 a.m. Sept. 2; students, 4-5 p.m. Sept. 2 and 8:30-9:30 a.m. Sept. 3. School of Medicine employees and students can get tickets at the Medical Library at the following times: faculty and staff, 8:30-9:30 a.m. and noon-1 p.m. Sept. 2; students, 8:30-9:30 a.m. and noon-1 p.m. Sept. 3. Limited tickets for the general public will be available at the Alumni House, 5:30-8:30 p.m. Sept. 1, 3:30-7:30 p.m. Sept. 2 and 5:30-8:30 p.m. Sept. 3.

His Holiness also will attend a luncheon in his honor at noon Sept. 8 (call 862-6733 for \$125 reservation) and an interfaith gathering for peace at 6 p.m. Sept. 8 at St. Francis Xavier College Church at Grand and Lindell boulevards. The Friends of Tibet, a St. Louis-based organization working for the survival of Tibet's endangered people, culture and environment, is hosting the Dalai Lama's visit.

Leonard Slatkin, Saint Louis Symphony Orchestra music director and conductor, will speak at 4 p.m. Sept. 14. Slatkin, who led the orchestra to world prominence during

his 14 seasons as music director, is celebrating his 25th anniversary as conductor.

At 4 p.m. Sept. 30, **Theo Sommer**, editor-in-chief of DIE ZEIT in Hamburg, Germany, will keynote a symposium on "European Integration After 1992." Sommer will speak on "The United States and the European Community: Cooperation and Competition." One of Germany's leading commentators, he writes the front page opinion pieces in DIE ZEIT, an influential weekly newspaper.

Mexican author and ambassador **Carlos Fuentes**, one of the world's leading literary figures, will give the Fall Honors Lecture on "Culture and Crisis in Latin America" Oct. 6. *The Campaign*, a historical novel about Latin American independence, is the most recent in a long line of novels, novellas, stories and plays that began in 1958 with *Where the Air Is Clear*.

National Book Award winner **Michael Dorris**, author of *A Yellow Raft in Blue Water*, will deliver the Woman's Club Lecture Oct. 13. His 1989 novel, *The Broken Cord*, won the National Book Critics Circle Award and was made into a television movie. His novel for young readers, *Morning Girl*, won the 1992 Scott O'Dell Award for historical fiction. His latest works include a collection of essays, *Rooms in the House of Stone*, published in June, and a short story collection, *Working Men*, which is due out in October.

The Mr. and Mrs. Spencer T. Olin Conference will focus on women and pornography Oct. 20. **Nadine Strossen**, president of the American Civil Liberties Union (ACLU), and **Kathleen E. Mahoney**, professor of law at the University of Calgary in Alberta, Canada, will speak. Strossen is professor of law at the New York Law School Graduate School of Business. She was elected as the first female ACLU president in 1992.

Mahoney argued on behalf of the Women's Legal Education and Action Fund before the Canadian Supreme Court in the landmark obscenity case *R. v. Butler* and in *Keegstra v. The Queen*, the landmark hate propaganda case.

Deborah Amos, National Public Radio senior foreign correspondent, will speak at 7:30 p.m. Oct. 22 in the May Auditorium, Simon Hall. In honor of U.N. Day, Amos, a London Bureau chief, will discuss Yugoslavia.

Admiral William J. Crowe Jr., former chairman of the Joint Chiefs of Staff,

Student represents Kenya in 8th World Badminton Championship

As a child growing up in Kenya, Satish Narasimhan didn't learn how to play baseball, football, or basketball. He learned badminton.

Narasimhan, a junior at Washington University, was one of two players that represented Kenya in the 8th World Badminton Championship, held in Birmingham, England, May 31 to June 6. Narasimhan was born in Bombay, India, and moved to Kenya when he was five. His father played badminton in both India and Kenya, and taught Narasimhan the game. Narasimhan was 13 when he began playing in tournaments, and his first win came during the Under 15 Kenya Open in August 1986. He also won the Kenya International in 1989.

Narasimhan's sister graduated from Dartmouth College last year. Her experiences helped him decide to attend college in the United States. Also, many friends were studying in England, and this encouraged Narasimhan to seek academic enlightenment overseas. After being accepted at Washington University, Northeastern University in Boston, and the University of Miami, he decided that Washington was the best choice because of its strong business program.

After advancing to second round with a bye at the recent World Badminton Championship, Narasimhan lost the first match he played. This did not faze him, though. He lost to Ardy Wiranata of Indonesia, a former champion and the number three player in the world today.

"I'm fairly inexperienced," Narasimhan said, "but I learned a heck of a lot. You learn the different training methods of world class players, and also what it takes to get to their standard."

He has played in various other events of all levels, up to international competition in the Thomas Cup, held in Austria.

Players from some 50 countries participated in the World Championship. "Most of the competitive teams are from Indonesia, Korea, China, Malaysia, and Denmark. For them, it is a career sport," Narasimhan said.

Narasimhan says he plays for fun, as well as the opportunity to compete



Satish Narasimhan

against and meet famous players. He met Marten Frost of Denmark, one of the world's premier players, at the World Championships. But badminton is not in the cards for Narasimhan as a career option.

"I don't think I could pursue it as a career," he said. "You've got to give up a lot. I don't think I could give up my education."

Since arriving in the United States to go to Washington University, where he is a business and math major, Narasimhan has noticed that badminton is not as big in the Midwest as it is on the West Coast and in other parts of the world.

Looking to his future, Narasimhan said he would like to stay in the United States to attend graduate school and pursue an M.B.A.

"Let's see how my interests develop," he said. If he chooses not to pursue an M.B.A. immediately, though, and is in Kenya in 1996, he hopes to try out for the Olympic Team.

— David Ackerman

Department of Defense, will give the Thomas C. Hennings Memorial Lecture at 4 p.m. Oct. 26. In that capacity, he served as the principal military adviser to the president, the secretary of defense and the National Security Council. President Bill Clinton appointed Crowe as chairman of the President's Foreign Intelligence Advisory Board. Crow also serves as counselor at the Center for Strategic and International Studies in Washington, D.C., and is professor of geopolitics at the University of Oklahoma.

On Oct. 27 **Alexa Canady**, the first black woman neurosurgeon in the United States, will deliver the Black Arts and Sciences Lecture, which this year is focusing on science contributions of black Americans. Canady is vice chairman of the Department of Neurosurgery at Wayne State University in Detroit. Prior to her affiliation with Wayne State, she was chief of neurosurgery at Children's Hospital of Michigan and taught at the University of Pennsylvania.

The Holocaust Memorial Lecture will be given Nov. 3 by **Ian Hancock**, author of *The Pariah Syndrome: An Account of Gypsy Slavery and Persecution*. Hancock is a professor of linguistics specializing in Gypsy language and culture at the University of Texas at Austin. From 1985-87, he served as special adviser to the U.S. Holocaust Council. Of Gypsy heritage, he is the U.N. representative for the Romani people and head of the Romani Union, composed of national Gypsy leaders.

Elizabeth Clark, John Carlisle Kilgo Professor of Religion at Duke University, will deliver the Edward G. Welton Lecture in Religious Studies at 4 p.m. Nov. 4 in the May Auditorium, Simon Hall. Clark, one of the foremost scholars on women and family issues in Early Christianity, will speak on the conflict between the ideals and practices of the traditional Roman family and those of Christian asceticism. She is author of several books, including

The Origenist Controversy: The Cultural Construction of an Early Christian Debate, published in 1992.

Historian **Peter S. Onuf** will give the Thomas D. Fulbright Lecture in American History Nov. 10. Onuf, Thomas Jefferson Memorial Foundation Professor at the University of Virginia, will speak on "Thomas Jefferson's Legacies" in honor of the 250th anniversary of the third president's birth. Onuf is author and editor of many books and articles. *Jeffersonian Legacies*, which he edited, came out in April and is the result of a conference that Onuf organized at the University of Virginia last fall. His most recent book, *The Federal Union, Modern World: The Law of Nations in Age of Revolution, 1776-1814*, co-authored with Nicholas Onuf, is due for release this fall. Onuf, who received his doctorate from John Hopkins University, also has taught at Columbia and Southern Methodist universities.

Joseph Fernandez, former chancellor of the New York City Public Schools, will give the Helen Manley Lecture Nov. 17. His book, *Tales Out of School: Joseph Fernandez's Crusade to Rescue American Education*, was published this year.

For the fall semester final event, noted black intellectual **Cornel West**, author of the best seller *Race Matters*, will give the Mortar Board Lecture at 4 p.m. Dec. 2. His lecture also keynotes the Conference on Blacks and Jews: An American Historical Perspective. West, who has written eight books that tackle racial and political issues, is professor of religion and director of the Afro-American Studies program at Princeton University. A Harvard University graduate who received his doctorate from Princeton University, he taught at the Yale University Divinity School and Union Theological Seminary before taking his post at Princeton in 1988.

Other lectures in the series will be announced later. For more information, call 935-4620.

Introducing new faculty members

The Record is running a series profiling new faculty on the Hilltop and Medical campuses.

Stuart Banner, J.D., associate professor of law, comes to Washington from the Office of the Appellate Defender in New York City, where he was a staff attorney. He also was a law clerk for Supreme Court Justice Sandra Day O'Connor in Washington, D.C. His research interests include property, legal history and the Supreme Court. He received his bachelor's degree in history from Yale University in 1985. He received his law degree from Stanford University in 1988.

Gerard M. Doherty, M.D., assistant professor of surgery, comes to the School of Medicine from the University of California at San Francisco, where he was chief resident in general surgery. His research interests focus on laparoscopic approaches to cancer surgery and the basic science of tumor immunity. He received a bachelor's degree in chemistry from the College of the Holy Cross in Worcester, Mass., in 1982. He earned his medical degree from the Yale University School of Medicine in 1986.

Richard G. Fox, Ph.D., professor of anthropology, comes to Washington from Duke University, where he was a professor of anthropology and former chairman. He is the 1993-96 editor of the *Current Anthropology* journal and is the recipient of a Harry Frank Guggenheim Grant for research on the cultural definitions of peace and violence. He received his bachelor's degree, cum laude, in anthropology and oriental studies from Columbia University in New York City in 1960 and his master's degree and doctorate in anthropology from the University of Michigan in Ann Arbor in 1961 and 1965.

David M. Hovsepian, M.D., assistant professor of radiology, comes to the University from the Thomas Jefferson University Hospital in Philadelphia, where he completed a fellowship in cardiovascular and interventional radiology. His research interests include an infertility treatment called fallopian tube recanalization and devices called vena cava filters, which prevent blood clots from entering the lungs. He received his bachelor's degree, cum laude, in computer science from Columbia University in New York City in 1982, and his medical degree from Columbia's College of Physicians and Surgeons in 1986.

UE Charitable Trust donates scholarship

The Union Electric Charitable Trust has contributed \$110,000 to Washington University for scholarships. These scholarships will benefit students from Union Electric's service territory.

Of the contribution, \$60,000 will go toward scholarships in the College of Arts and Sciences; \$35,000 will be used for scholarships in the George Warren Brown School of Social Work; and \$15,000 will provide scholarships in the Center for the Study of American Business.

"Union Electric has long recognized that access to higher education is essential to the economic well-being and quality of life of our customers," says Carlin C. Scanlan, Union Electric manager of Corporate Communications. Scanlan directs Union Electric's community relations and charitable giving programs.

The Union Electric Charitable Trust was established in 1944 to serve as the principal source of Union Electric's investments in a variety of community projects. Funding for the trust comes entirely from corporate earnings — it is not charged to customers as a business expense. Union Electric Co. provides energy to 1.2 million customers in Missouri and Illinois.

For The Record

For The Record contains news about a wide variety of faculty, student and staff scholarly and professional activities.

Of note

Elizabeth C. Childs, Ph.D., assistant professor of art history, received a postdoctoral fellowship to conduct research at Princeton University. Her project was titled "In Search of Paradise: Painting and Photography in Tahiti in the Time of Gauguin." In the course of her research, she traveled to Honolulu, London, Paris and Aix-en-Provence, France. She also lectured on her research project at Princeton. ...

Robert M. Feibel, M.D., associate professor of clinical ophthalmology, and **Morton E. Smith, M.D.**, professor of ophthalmology and of pathology and associate dean, each received the first Teacher of the Year awards presented by the ophthalmology residents. ...

Deborah Lindes and **Alison Wakoff**, second-year medical students, were selected to participate in the Washington Health Policy Fellowship Program sponsored by the American Medical Student Association Foundation. They were two of 15 physicians-in-training chosen for the program, which introduces promising medical students to the political process and the role of physicians as policy-makers and advocates. ...

Dwight C. Look, M.D., and **Steven J. Weintraub, M.D.**, both instructors in medicine, have each received a two-year American Lung Association Trudeau Award for 1993. Only six of the \$50,000 awards are granted nationally and recipients must rank in the top 3 percent of grant applicants. Look received the award for his project titled "Interferon- γ Regulation of the ICAM-1 Gene in the Airway." Weintraub's project is titled "Retinoblastoma Gene in Small Cell and Other Tumors."

Speaking of

Engin D. Akarli, Ph.D., associate professor of history, presented a paper titled "Religion and Nationhood in Lebanon" during a colloquium held at Princeton University. The colloquium was titled "Sure Paths and Dangerous Games: North Africa and the Middle East, 1850-2000." ...

Susan E. Bates, a doctoral candidate in chemistry, delivered a presentation titled "Aldolate Complexes as Thermal Precursors to Metal Oxides: A New Nonhydrolytic Sol-gel Strategy" during the 205th national meeting of the American Chemical Society held in Denver, Colo. Her talk was based on research she conducted with **William E. Buhro, Ph.D.**, associate professor of chemistry. ...

John R. Bleeke, Ph.D., associate professor of chemistry, presented a seminar titled "The Chemistry of Aromatic Metallacycles" at Purdue University. ...

During the 19th annual Third World Conference held at Governors State University in University Park, Ill., three graduate students in the International Affairs Program presented papers. **Ann S. Constantin** delivered a paper titled "Expert Systems in Third World Development: Cultural Integration of the Computerized Knowledge of Third World Experts"; **Carolyn J. Sanford** presented a paper titled "The Effect of Structural Adjustment Programs on Women Farmers in Ghana and Tanzania: A Comparative Study"; and **Gregory M. Wong** delivered a paper titled "A Guide to Doing Business in Mexico: The Social and Environmental Implications of NAFTA (North American Free Trade Agreement)." Constantin, Sanford and Wong were students of **Eugene B. Shultz Jr., Ph.D.**, professor emeritus of technology and human affairs, who served as their adviser for the presentations. ...

During the annual meeting of the International Neuropsychological Society held in Galveston, Texas, **Suzanne Craft, Ph.D.**, assistant professor of psychology, and **Jeff Schatz**, a graduate student in psychology, delivered a manuscript presentation titled "Visual Attention in Sickle Cell Disease: Children With and Without Stroke." ...

During a meeting of the Missouri Public Health Association held in St. Louis, **Dorothy Edwards, Ph.D.**, assistant professor of occupational therapy and of neurology, de-

livered a presentation on "Memory and Aging Project Satellite." ...

During the Infocom '93 conference held in San Francisco, Calif., **Christos Papadopoulos**, a graduate student in computer science, presented a paper titled "Experimental Evaluation of SunOS IPC and TCP/IP Protocol Implementation." He co-authored the paper with **Gurudatta M. Parulkar, Ph.D.**, associate professor of computer science. A longer version of the paper was published in the *IEEE Transactions on Networking* journal. ...

Carter Revard, Ph.D., professor of English, was an invited participant at a conference titled "The Status of Multicultural Literatures in the Profession," held at the University of Michigan. He also read his poems during the conference. ...

During a meeting of the International Studies Association held in Acapulco, Mexico, **Norman Schofield, D.Litt., D.Econ. Sci., Ph.D.**, Taussig Professor of Political Economy, chaired a panel on "Formal Theories of International Relations and Comparative Studies." ...

Martha Storandt, Ph.D., professor of psychology and of neurology, directed a national conference on the "Neuropsychological Assessment of Older Adults: Dementia and Depression" held in St. Louis. She also delivered a presentation titled "General Principles of Assessment of Older Adults" at the conference.

Obituaries

H. Wayne Nichols, biology professor

H. Wayne Nichols, Ph.D., associate professor of biology, died from cancer July 29 at his home in St. Louis. He was 56.

Nichols was an expert in phycology, the study of algae. Early in his career he demonstrated the role of environmental factors in the developmental biology of algae. Later, in the late 1980s and early 1990s, he discovered more than 500 previously unknown species of algae in Missouri prairie soil.

Nichols joined the Washington University faculty in 1963 as assistant professor of botany. He became associate professor and co-chair of botany in 1965. From 1966 until 1970, he was associate professor of botany. He was appointed associate professor of biology in 1970, when the Department of Botany merged with the Department of Biology. He held that title until his death.

Nichols received a bachelor's degree in botany in 1959 and a master's degree in the same field in 1960 from the University of Alabama. He also earned his doctorate in 1963 from the University of Alabama, with a major in botany and minors in bacteriology and zoology.

Nichols is survived by his wife, Florentina Roman Nichols of St. Louis; and two daughters, Martha Nichols of New York City and Andrea Nichols of St. Louis. A private memorial service was held July

On assignment

Edwin B. Fisher Jr., Ph.D., professor of psychology and director of the Center for Health Behavior Research, was a visiting professor at the Eastern Virginia medical school's Diabetes Center. While there, he lectured and conducted workshops on smoking cessation. He also delivered presentations on the problems diabetic adults face in quitting smoking, an area he has researched along with **Debra Haire-Joshu, Ph.D.**, research assistant professor of medicine.

Etc.

Troy Engle, head coach of cross country and track and field, was the camp director and conductor for the USA Track and Field Racewalking Camp held at the U.S. Olympic Training Center in Colorado Springs, Colo. Participants in the camp, including several current national squad members, are all 1996 Olympic hopefuls in the 10-, 20- and 50-kilometer racewalking events.

Guidelines for submitting copy:

Send your full name, complete title, department, phone number, and highest-earned degree, along with a typed description of your noteworthy activity to *For The Record*, c/o Carolyn Sanford, Campus Box 1070. Items must not exceed 75 words. For information, call Carolyn Sanford at 935-5293.

30. Memorial contributions can be made to the Missouri Prairie Foundation, Box 200, Columbia, MO 65205.

William Connor, education professor

William H. Connor, Ed.D., associate professor emeritus of education and former director of student teaching, died July 23 of complications from pneumonia. A private memorial service was held for Connor, who was 75. Burial was at Jefferson Barracks National Cemetery.

Connor, a native of Cleveland, Ohio, lived in University City. In addition to teacher education, his research interests included social policy education. He became a member of the Washington University faculty in 1958 and retired in 1983. Connor and longtime colleague Louis M. Smith, Ph.D., professor of education, were co-authors of a 1967 study that examined differences in student teaching patterns at Harris-Stowe State College. The study, titled "Analysis of Patterns of Student Teaching," was sponsored by the U.S. Office of Education.

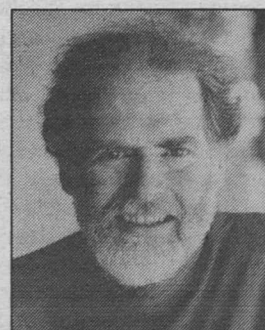
Connor received his bachelor's, master's and doctoral degrees in education from Columbia University Teachers College in 1939, 1940 and 1953.

Connor is survived by his wife, Nancy Cummings Connor of University City; three children, John T. Connor of Homer, Alaska, Julie A. and Rebecca C. Connor, both of St. Louis; and three grandchildren.

Campus Authors

The following is a recent release available at the Campus Bookstore in Mallinckrodt Center on the Hilltop Campus or at the Washington University Medical Bookstore in the Olin Residence Hall. For more information, call 935-5500 (Hilltop Campus) or 362-3240 (Medical School).

Niagara, a new novel by **Richard Watson, Ph.D.**, professor of philosophy, tells the story of two daredevils whose lives are changed forever when they challenge the swirling waters of Niagara Falls. Jean Francois Gravelet, a French tightrope walker, decides to leave France to make his name by risking the ultimate fall: a wire walk across Niagara Falls. Anna Edson Taylor, a widowed schoolteacher in Nebraska in 1901, answers an advertisement offering a brave "man" a chance to put his name in history books by riding inside a barrel over Niagara Falls. When Taylor is the only person brave enough to ride a wheelbarrow across Gravelet's high wire, the exploits of the two are irrevocably entwined. The novel is based on actual historical figures who never met in real life. (Coffee House Press: Minneapolis)



Opportunities & personnel news

Hilltop Campus

The following is a list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of Human Resources, Room 126 North Brookings Hall, or by calling 935-5990.

Academic Support Specialist

940004. *Biology*. Requirements: High school graduate, some college preferred; knowledge of Macintosh Microsoft Word, WordPerfect and other software to produce high-quality and accurate work; ability to produce high volumes of work consistently; master use of electronic mail and message distribution to facilitate communication; be flexible and have ability to change and adapt to new policies and procedures; meet deadlines and produce quality work under pressure; be a good team member and help even out office workload when a significant variation in average workload is encountered by any staff member; typing 50 wpm with accuracy. Clerical tests and three letters of recommendation required.

Department Secretary

940005. *Alumni and Development Programs*. Requirements: Specialized secretarial and business training; minimum of two years office experience, reflecting excellent word processing, typing 40 wpm with accuracy and organizational skills. Individual should have a strong command of the English language and must be able to deal with multiple priorities with minimal supervision. Overtime, including nights, weekends, etc., is essential, as is a good personality and good grooming. Clerical tests and three letters of recommendation required.

Cashier/Sales Clerk

940009. *Campus Stores*. Requirements: High school graduate, some college preferred; basic math skills and ability to operate a 10-key adding machine; one year of electronic register experience preferred; previous selling experience desired; good physical condition for recurrent lifting of moderately heavy items; excellent attendance record; must be able to work evenings and Saturdays; typing 20 wpm with accuracy. Clerical tests and three letters of recommendation required.

Career Resources Librarian

940013. *School of Business*. Requirements: Creative person with strong organizational skills; degree or background in library science and/or library/research experience preferred; strong customer service orientation very helpful. Resume and three letters of recommendation required.

Clerk

940014. *Printshop*. Requirements: High school graduate, some college preferred. Duties: Bookkeeping (processing invoices, computer data entry, monthly reports); assist in bindery (wrapping, folding, collating, stitching, etc.); telephone receptionist; routine clerical tasks (filing negatives and proofs, job tickets, etc.). Application and three letters of recommendation required.

Administrative Assistant

940016. *Alumni and Development Programs*. Requirements: Specialized secretarial and business training; typing 50 wpm with accuracy; experience with PC word processing; five years of office experience; ability to deal effectively and sensitively with senior administrators, faculty, alumni, parents and prospective students; maintain confidentiality; excellent attendance record; excellent command of English language; ability to handle multiple project-oriented tasks with strict deadlines requiring a high degree of organization and thought; available to work overtime as needed; perform some local courier work; prefer someone experienced with Macintosh computers, including knowledge of Microsoft Word, Pagemaker and Excel; bookkeeping knowledge preferred

as well. Clerical tests and three letters of recommendation required.

Secretary to Teacher Education/Student Services

940021. *Education*. Requirements: Some college, bachelor's degree preferred; organizational and verbal skills a must; ability to handle multiplicity of tasks in busy office; self-starter and independent worker; typing 50 wpm with accuracy. Clerical tests and three letters of recommendation required.

Internal Auditor/EDP Specialist

940022. *Accounting Services*. Requirements: Bachelor's degree; three to five years auditing experience, preferably with emphasis in EDP auditing; ability to develop clear and concise audit workpapers and audit reports; proven ability to work harmoniously with people and to communicate effectively orally and in writing with all levels of faculty, management and operation staff; awareness of the use of flowcharting techniques and computer capabilities as audit tools. Resume and three letters of recommendation required.

Systems Manager

940023. *Architecture*. Requirements: Bachelor's degree. Duties: VAX, MAC and SGI systems management; network management; managing help desk; research projects - management of urban data base; assisting with grant proposals; management of student computer work space; management skills listed above all include: systems maintenance, troubleshooting, backup, security and software research. Resume and three letters of recommendation required.

Administrative Secretary

940026. *International Studies*. Requirements: Some college, bachelor's degree preferred. Provide general secretarial support to associate director; assist in the preparation of newsletters, reports, grant proposals, creation of data bases, budgetary and other office-related responsibilities; arrange meetings, seminars and other events; must have excellent communication and organizational skills; must know how to use a Macintosh computer; knowledge of the word processing programs for the MAC would be a plus; Pagemaker, Filemaker Pro, Canvas, Excel and Microsoft Word; knowledge of FIS accounting system also is a plus; typing 55 wpm with accuracy. Clerical tests and three letters of recommendation required.

Departmental Secretary

940027. *Alumni and Development Programs*. Requirements: Associate's degree or equivalent knowledge; specialized secretarial and business training; three years general office experience; typing 50 wpm with accuracy; good command of English; must be alert, well-spoken; able to deal with multiple priorities with minimal supervision; mature, well-groomed, pleasant; able to work well and relate easily to others. 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 of the medical school at 362-4920 to request an application. External candidates may call 362-7195 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.

Coding Specialist — Diagnostic/Medical

930712-R. *Internal Medicine*. Schedule: 10 p.m.-7 a.m., including some weekends. Requirements: High school graduate or

equivalent; two years related CPT and ICD-9 coding experience preferred; desire an accredited records technician or individual with similar clinical training or skill.

Data Entry Operator

930875-R. *Surgery*. Schedule: Temporary part-time position, flexible scheduling, including days, evenings and weekends. Requirements: High school graduate or equivalent; computer experience helpful; typing 30 wpm.

Project Assistant

930917-R. *Internal Medicine*. Requirements: Bachelor's degree in business administration or related field with three years clinical training/experience with medical records coding; strong communication, interpersonal and analytical skills required.

Medical Research Technician

930941-R. *Pediatrics*. Schedule: Temporary position until September. Requirements: Bachelor's degree with experience in general lab techniques, including tissue culture and molecular biology techniques; must be able to work semi-independently.

Medical Secretary II

930959-R. *Pediatrics*. Requirements: High school graduate or equivalent with a thorough knowledge of medical terminology; typing 50 wpm and experience with CRT and WordPerfect; prefer individual with four years work-related experience.

Medical Research Technologist

930972-R. *Pathology*. Requirements: Bachelor's degree with two to five years laboratory experience, including some work with isotopes and small animals.

Medical Research Technician

930981-R. *Genetics*. Requirements: Bachelor's degree with background in chemistry or biology; should have the

ability to learn molecular biology techniques, including PCR.

Lab Tech Research

940010-R. *Genetics*. Requirement: Two years college. Will be carrying out experiments in human molecular genetics; must be thorough and detail oriented and have the flexibility to adapt to new protocols; should be able to work independently and have interpersonal skills to work with others.

Medical Research Technologist

940054-R. *Lipid Research*. Schedule: Full time, including some weekends for experiments. Requirements: Bachelor's degree; prefer individual with at least five years experience as a technician, including experience with animals (rodents).

Medical Research Technician

940073-R. *Ophthalmology*. Requirements: Bachelor's degree in chemistry or biochemistry with one year experience in lab work; should be familiar with computers and have good recordkeeping and communication skills; must be willing to handle animal tissues.

Medical Research Technician

940089-R. *Biochemistry*. Schedule: Part-time, 22.5 hours per week; days negotiable. Requirements: Bachelor's degree; must have the ability to perform biochemistry and molecular biochemistry experiments under guidelines from supervisor, using knowledge of standard principles, theories, concepts and techniques.

Medical Research Technician

940097-R. *Radiation Oncology*. Requirements: Bachelor's degree with college-level coursework in biology and chemistry or two years working experience in laboratory; will perform experiments as directed by the investigators.

Virgil to play major role in firm's expansion — from page 1

and was named a full professor by 1972. He was named a visiting professor at Dartmouth's Amos Tuck School of Business Administration in 1975-76, following a year as Washington University's vice chancellor of student affairs. After returning to the University, he became acting dean of the business school in 1977 and then dean in 1979.

He has served on numerous key committees at Washington University over the past two decades, including chairing the Faculty Senate Council and the Committee on the Recruitment of Underrepresented Faculty. He also chaired dean's search committees for the School of Law, for Undergraduate Admission, and for the School of Architecture.

Virgil's teaching experience encompasses both managerial and financial accounting. He has been named on nine different occasions as Teacher of the Year by his students. He received his bachelor's degree from Beloit College in 1956; and his master of business administration and doctorate from Washington University in 1960 and 1967, respectively. Prior to joining the University faculty, he had a one-year residency with Arthur Andersen & Co.

He served as a director of the Federal Reserve Bank of St. Louis from 1983-89 and chaired its board in 1988-89. He was director of the American Assembly of Collegiate Schools of Business from 1987-1990, and from 1985-89 he chaired the board of the Consortium for Graduate Study in Management, a 10-university effort to attract minorities into MBA study.

Virgil is a director of Angelica Corp., General American Life Insurance Co., CPI Corp., Allied Healthcare Products Inc., Salvation Army, United Way of Greater St. Louis, INROADS/St. Louis,

and Mary Institute & Country Day School. He was president of Girls Inc. of St. Louis from 1987-1990 and now is an emeritus director.

He was a Beloit College trustee from 1979-1982 and 1983-89. Beloit presented him with the distinguished alumni citation in 1981.

Pankoff — from page 1

At the business school, Pankoff taught courses in probability, statistics and computing and twice earned Teacher of the Year honors from students. He was director of the doctoral program (1980-83) and faculty director of the MBA program (1987-90). As associate dean for computing (1984-90), he established the personal computer laboratory, developed a comprehensive self-study PC course for faculty and students, and supervised the installation of the new \$1.5 million VAX computer system. In 1990, Pankoff assumed further administrative responsibilities when he became associate dean for academic affairs. He was named vice dean in 1992.

From 1987-1990, Pankoff was a director of the Consortium for Graduate Study in Management, a 10-university effort to attract minorities into MBA study. He is a board member of the MBA Enterprise Corps, a consortium of 22 top business schools that places graduating MBAs as volunteers with firms that are struggling to privatize and operate in the recently created free markets of formerly socialist countries.

Pankoff also is a board member for Jefferson Smurfit Finance Corp. and has consulted with a variety of firms. He has served as an expert witness on statistical evidence of employment discrimination. He is a past president of the Webster Groves Hockey Association and the Washington University Faculty Club.