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Award-winning essayist Early succeeds Elkin as Kling professor

Gerald Early, Ph.D., professor of English and of African and Afro-American studies and director of the African and Afro-American Studies Program in Arts and Sciences, will be named the Merle Kling Professor of Modern Letters, announced Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts and Sciences. An installation ceremony will be held in February.

"This professorship represents the highest honor that Washington University can give to a faculty member," Macias said. "It recognizes Professor Merle Kling, who led this University as a scholar, teacher and administrator, and Professor Early, who is a writer of international acclaim and a beloved mentor and teacher for our students."

The Kling professorship was created to honor Merle Kling on his retirement as provost in 1983. Award-winning novelist Stanley Elkin, the first to hold the Kling professorship, occupied the chair until his death last May.

Early said he is particularly honored to hold the same professorship as Elkin. "I feel I really have to uphold something because Stanley held the chair," Early said. "If I wind up my career one-half as capable a writer as Stanley, I'll be in good shape."

Early joined the Washington University faculty in 1982 as an instructor in the Black Studies Program. In 1990, he became a full professor of English and of African and Afro-American studies. In 1992, he was appointed director of the African and Afro-American Studies Program.

Primarily, Early is an essayist and American culture critic, as well as an occasional poet. Within the last six months, two of his books have been published. "How the War in the Streets Is Won: Poems on the Quest of Love and Faith," published by Time Being Books in September, is divided into four sections that deal, respectively, with street violence, prizefighting, jazz and family. Together, they form a spiritual odyssey from a beginning of violence, despair, disillusion and alienation to a closing about family, love and hope. As a child growing up in Philadelphia, Early watched as crime took a toll on his neighborhood, but he was deeply impressed by what he calls "the resilient humanity" of the people he knew.

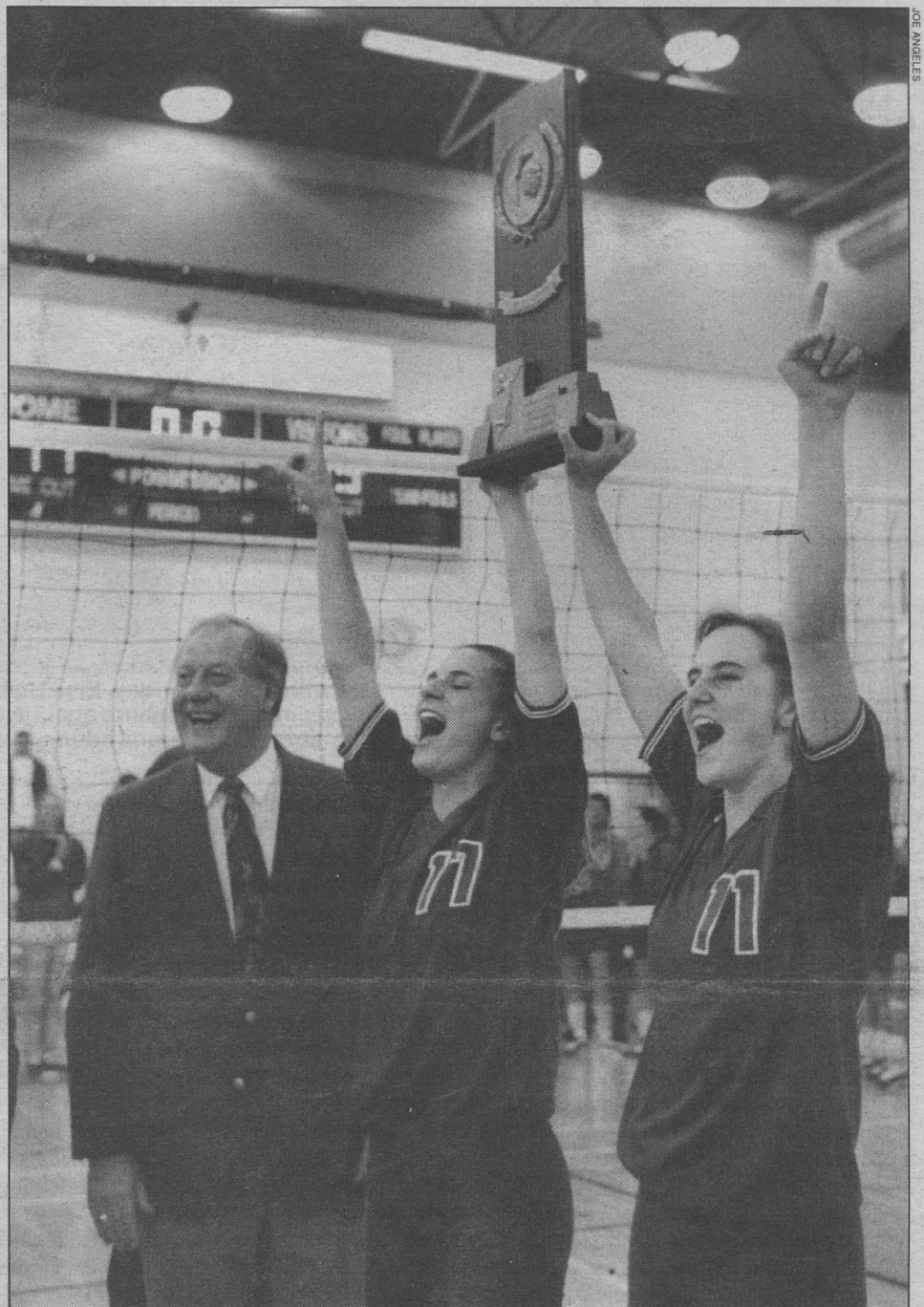
The other book, "One Nation Under a Groove: Motown and American Culture," was published by The Ecco Press in June. From the rise of Diana Ross to the fall of Marvin Gaye, the book describes how Motown gained acceptance in white America and "how it shaped the African-American urban community and was, in turn, shaped by it," Early said.

Last February, Early won a National Book Critics Circle Award in the criticism category for "The Culture of Bruising: Essays on Prizefighting, Literature and Modern American Culture." The book was Early's sequel to his first volume of essays, "Tuxedo Junction: Essays on American Culture," which was published in 1990.

In addition to "The Culture of Bruising," his book "Daughters: On Family and Fatherhood," which chronicles the everyday challenges and triumphs of fatherhood, was a semifinalist for the National Book Critics Circle Award in 1995, making it to the final 10 in the memoirs category.

Early and his wife, Ida, director of

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Senior co-captains Nikki Gitlin, center, and Shelley Swan, right, celebrate after accepting Washington University's fifth-consecutive NCAA Division III volleyball championship trophy. The Bears have won the championship six out of the last seven years. H. Gaylon Greenhill, left, chancellor of the University of Wisconsin, Whitewater, the host institution, presented the trophy.

Psychology moves into new home

Members of the Department of Psychology in Arts and Sciences are rolling up their sleeves and getting ready to help pack and haul most of their belongings about 150 yards south to their new home, a 105,000-square-foot, state-of-the-art facility.

The move, which was scheduled to begin Wednesday, Dec. 6, will take about three days and will involve three moving vans and 18 professional movers. The movers will help transfer the psychology department from Eads Hall to a newly constructed building west of McDonnell Hall.

The new psychology building creates a quadrangle with McDonnell and Wilson halls and Monsanto Laboratory. The L-shaped psychology building, constructed of Missouri red granite, has limestone facing and the familiar green slate roof. While the exterior blends with the Elizabethan Gothic buildings of the Hilltop Campus, the interior incorporates the newest in laboratory design. The building was completed on schedule by BSI Constructors Inc. of St. Louis.

Inside, a wide white spiral staircase is dramatically lit by windows that stretch up the height of the building. The floor at the base of the stairwell is emblazoned with the Washington University seal arranged in tile. Dark wood doors and railings complement the white and pale-green tile throughout the building.

The key to the building is its flexibility. The two large seminar rooms each can be divided into two smaller ones, complete with slide screens and white boards so lecturers can sketch diagrams during talks.

Two teaching classrooms for experimental psychology are fitted for computers, and much of the building is shell space to be used for expansion of the psychology department. The building, which has been selected as a recipient of a St. Louis Construction News & Review Readers' Choice award, was designed by Skidmore, Owings and Merrill of Chicago.

Faculty offices in the new building are arranged in suites of eight. Each cluster of eight has a central seminar room, as well as a waiting area with benches along the hall. Laboratory areas are arranged in research suites.

The psychology department is not only moving into a larger space; there are plans to expand the faculty during the next few years.

"Psychology is one of the two most popular majors for undergraduates, and the new building and expanded faculty reflect the University's commitment to the field," said Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts and Sciences.

Psychology has been a department at the University since 1924. It has had various homes, including Brookings Hall; Northeast Building, a temporary structure condemned in 1932; and Cupples I Hall. The psychology department has been housed in Eads Hall since 1934.

The Psychological Service Center, also formerly housed in Eads Hall, recently moved to West Campus. That move was designed to better serve the center's clients, who primarily come from the general public rather than the campus community.

Division III dynasty

Volleyball Bears win fifth-straight national tournament championship

Although the Regals of California Lutheran University staged a valiant coup d'état, the NCAA Division III volleyball throne still is occupied by the Washington University Bears.

The Bears (42-3) claimed an unprecedented fifth-consecutive national crown by storming back to topple Cal Lutheran (27-3) by a 15-6, 17-19, 13-15, 15-11, 15-11 margin on Saturday, Dec. 2, in Whitewater, Wis.

The title was the Bears' sixth in seven years — a 1990 second-place finish being the only blemish during that run. The six titles match the Division III record shared by the University of California, San Diego.

On Saturday, the Bears had to pull themselves off the proverbial mat to win their 23rd-consecutive NCAA tournament match.

After breezing to victory in the first game behind 10 kills by freshman middle blocker Jennifer Martz, the Bears stormed to a 9-4 lead in the second game. But the Regals reeled off nine points in a row to set the stage for an epic confrontation. With the two sides staving off a combined 11 game-points, Cal Lutheran finally earned the 19-17 win on its seventh breakthrough opportunity.

Momentum flowed with Cal Lutheran

deep into the third game as the scrappy Regals went ahead 13-6. The Bears, led back by a rare Martz serving run, knotted matters at 13-13. But Cal Lutheran whacked two kills and pulled within one game of a championship by blocking Division III Player of the Year Shelley Swan on game-point.

That was Swan's last blemish as she then justified her elite status with an overpowering performance in the fourth

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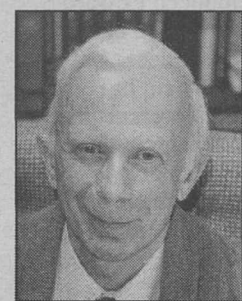
At the grand opening of the Eric P. Newman Education Center Friday, Emil Unanue, M.D., left, Edward Mallinckrodt Professor and head of the Department of Pathology, reads a brochure about the center while waiting for Stephen J. Gould to speak. Gould, an evolutionary biologist, gave the inaugural address before guests in the 450-seat main auditorium.

Helping elderly retain their independence is purpose of center

School of Medicine researchers have been awarded a \$6 million grant to study the effectiveness of exercise in reversing physical frailty in the elderly.

The grant, given by the National Institute on Aging of the National Institutes of Health, establishes a Claude D. Pepper Older American Independence Center (OAIC) at the School of Medicine. The purpose of these centers is to increase independence in older Americans by supporting research to develop and test clinical interventions.

Washington University will conduct two research studies during the next five



John O. Holloszy

years. The principal investigator is John O. Holloszy, M.D., professor of medicine and director of the Division of Geriatrics and Gerontology. Geriatrics and gerontology is a division of the Department of Internal Medicine and is based at The Jewish Hospital of St. Louis.

Holloszy said the studies will build on 20 years of research already completed by his team in this area. "In the past, we have worked with men and women in the 60- to 72-year-old range," he said. "We think there now is sufficient evidence as to the benefits of exercise in this age group." Next, the researchers will investigate the effects of exercise in patients older than 78.

"Our goal is to develop interventions that can help the elderly retain their independence and stay out of nursing homes," said Holloszy. "In the new studies, we will look at how the elderly respond to exercise training, and whether or not this response reduces frailty. We also will be studying exercise training in conjunction with hormone-replacement therapy and its role in reducing frailty."

Using the information obtained from these studies and others conducted by OAICs around the country, researchers hope to design practical exercise programs for the elderly. Another function of the OAICs is to train new investigators in gerontological research with the goal of preventing or reducing frailty.

No greater risk

Researchers find heart surgery is safe for severely overweight patients

Obesity is associated with coronary artery disease, a leading killer of Americans. As a result, a number of obese patients eventually may need surgery to bypass blocked heart vessels, repair heart valves or treat other heart problems.

In the past, physicians have been reluctant to refer some obese patients for cardiac surgery because of a suspicion that surgery in these patients carries an increased risk of adverse outcomes. But a new study by School of Medicine researchers showed that cardiac surgery is safe for those who are seriously overweight.

Compared with nonobese patients who undergo heart surgery, obese patients are at no greater risk of developing pneumonia, blood clots or other life-threatening complications, the investigators reported recently at the annual meeting of the American Heart Association in Anaheim, Calif.

"These results are fortunate," said Michael Rosenbloom, M.D., assistant

professor of surgery and the study's lead investigator. "Patients should not be denied the opportunity to have heart surgery because they are obese."

However, the researchers found that obese patients have a slightly higher risk of superficial wound infections following surgery.

The researchers studied medical records from 2,349 patients who underwent cardiac surgery at Barnes Hospital from 1991 to 1993. The most common surgery was coronary bypass, where surgeons use a patient's leg veins and chest arteries to bypass blocked arteries in the heart.

In the study, 13 percent of patients were classified as obese. The average obese patient was 61 years old and weighed 213 pounds, compared with the average non-obese patient, who was 63 years old and weighed 163 pounds.

In the study, the researchers analyzed the risk of potential adverse outcomes in

obese and nonobese patients following heart surgery.

They found no significant difference between the two groups in the incidence of adverse outcomes.

However, obese patients were twice as likely to develop superficial chest wound infections and leg infections. Obese patients may be at a higher risk of developing these infections because of diminished blood flow to the wound areas following surgery, Rosenbloom said.

Within the group of obese patients, the researchers also noted that the incidence of serious adverse outcomes did not correspond to weight. "Aside from the superficial wound infections, we did not find that the heaviest patients had a higher incidence of life-threatening complications," said Michael Moulton, M.D., a research fellow and resident in the Department of Surgery and a co-author of the study.

— Caroline Decker

Department of Medicine establishes endowed professorship

A new endowed professorship, the Rosemary and I.J. Flance Professorship of Pulmonary Medicine, has been established in the Department of Medicine. The professorship will support research in the Division of Pulmonary and Critical Care Medicine. The chair is funded largely by a gift from the estate of the late Sam J. Golman, a St. Louis-area businessman who was a longtime supporter of Washington University Medical Center institutions.

The endowed professorship recognizes I. Jerome Flance, M.D., clinical professor of medicine, and his wife, Rosemary. Flance has been a member of the clinical faculty for 53 years. Known as an excellent clinical teacher, Flance has played a part in educating generations of internists and pulmonary disease specialists. In addition, he still is very active in clinical practice and in the affairs of the School of Medicine.

Flance instituted the Home Care program at The Jewish Hospital of St. Louis in 1953 and served as its director for 11 years.

The School of Medicine established the Flance Visiting Professorship in 1976 to honor Flance's outstanding contributions to

teaching. He was honored again for teaching in 1981 with the Department of Medicine Teacher of the Year Award. He received the Distinguished Alumni Award in conjunction with Founders Day in 1986 and was given the Alumni/Faculty Award from the Washington University Medical Center Alumni Association in 1990.

In 1992, the School of Medicine named a Distinguished Alumni Scholarship in Flance's honor; this program awards full-tuition scholarships to four medical students each year. He also received the School of Medicine's Second-Century Award in 1994.

Gift creates Shepard annual lecture series

The family of Earl Shepard, D.D.S., and his wife, Wilma, recently gave the Department of Otolaryngology a \$55,000 gift to establish a lecture series. The annual Wilma and Earl Shepard Memorial Dental/Otolaryngology Lecture Series will begin in April and will feature nationally prominent leaders in dentistry and medicine.

Earl Shepard was professor and chair

Flance, a member of the School of Medicine's National Council, received his bachelor's degree in 1931 and his medical degree in 1935, both from Washington University.

Rosemary Flance, a graduate of the University of Chicago, is an active supporter of the University's William Greenleaf Eliot Society. She also is a former president of the women's division of the St. Louis Jewish Federation and has been a board member of the Washington University Women's Society and of the Saint Louis Symphony Society Volunteer Association.

of the Department of Orthodontics at the School of Dental Medicine from 1953 to 1975 and was a national leader in orthodontics. A 1931 graduate of the School of Dental Medicine, he received the 1984 Distinguished Alumnus Award from the University's Dental Alumni Association.

Shepard retired from Washington University in 1984 and died in 1991. The School of Dental Medicine closed in 1991.

Record

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 **Washington**
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Van Essen looks at how brain helps us see

As an undergraduate in chemistry at the California Institute of Technology, David Van Essen was inspired by a book about the brain to become a neurochemist. But when he began graduate studies in 1967 in Harvard University's new Department of Neurobiology, he had the opportunity to make electrical recordings from the lobster nervous system.

"The fascination of hearing the activity of neurons and watching the output on an oscilloscope was irresistible," he said. "So I became a neurophysiologist."

Van Essen, Ph.D., Edison Professor and head of the Department of Anatomy and Neurobiology, still listens to neurons as he studies the brain's visual system, which makes sense of the world we see. "We don't know whether we'll ever be able to understand the brain completely," he said. "But the long and meandering road toward that goal is immensely satisfying because you see so many opportunities for progress."

Although his studies are driven by "sheer intellectual fascination," they also have potential applications. Understanding how the visual cortex picks out patterns and shapes could improve security systems that recognize individual faces or computers that read handwriting. The research also may help patients whose cerebral cortex is damaged by head injury or stroke.

Van Essen began to study the visual system in 1971 as a postdoctoral fellow at Harvard with David H. Hubel and Torsten N. Wiesel, who shared a Nobel Prize in 1981. He and a colleague were able, for the first time, to study both the structure and physiology of single neurons.

During intervening years in Norway and England and at Caltech, Van Essen continued to meld structural and physiological studies. In recent years, he has looked at how the brain perceives form and shape, wedding experimental data with computational models of the visual system.

Van Essen has earned international recognition. He is editor in chief of the *Journal of Neuroscience*, the premier journal in the field. In 1994, he was named a fellow of the American Association for the Advancement of Science.

'Involved husband and father'

Van Essen moved to St. Louis with his wife, Isabel, in 1992. He heads the Department of Anatomy and Neurobiology, which offers more courses than any other basic science department in the School of Medicine. A gifted instructor who drives points home with clever slides and apt analogies, he teaches medical neuroscience. At Caltech, he received an award for excellence in teaching from the associated students and a best professor award from the Biology Student Advisory Committee.

He also has mentored many young researchers. "David had a profound influence on my development as a scientist," said William T. Newsome, Ph.D., a professor of neurobiology at the Stanford University School of Medicine who was a postdoctoral fellow in Van Essen's lab at Caltech from 1979 to 1980. "He also was a fine example of how to combine a career in world-class science with the role of warm, involved husband and father."

Van Essen's older son, Scott, is a graduate student in applied physics at Caltech, and his younger son, Brian, is studying electrical engineering at Carnegie Mellon University in Pittsburgh.

Van Essen is active in the wider Washington University community, having participated in the search for a new psychology chair and a new chancellor. "During the process leading to my appointment, I had several opportunities to talk with David," said Chancellor Mark S. Wrighton, Ph.D. "He revealed himself to be a truly outstanding scientist and leader. He is perceptive, creative and hard-working, just the sort of person we should continue to recruit to our faculty. David's own research work in neuroscience represents an area of significance in many respects, and it is rewarding to have a person of his accomplishment and vision in a key leadership role here."

Van Essen compares himself to a cartographer mapping the continents and countries on the globe. "It's a

major challenge to decipher how the cerebral cortex is divided into many visual areas and how these areas relate to each other," he explained.

When he entered the field, neurobiologists thought that fewer than a dozen areas of the brain were involved in processing visual information. The total now is 32 in the macaque monkey, and the number is likely to grow. Many of these areas were discovered or first extensively characterized in Van Essen's lab. These include areas MST (medial superior temporal), which he discovered in 1983, and MT (middle temporal), both of which specialize in analyzing information about moving objects.

To study areas of the brain and their interconnections,

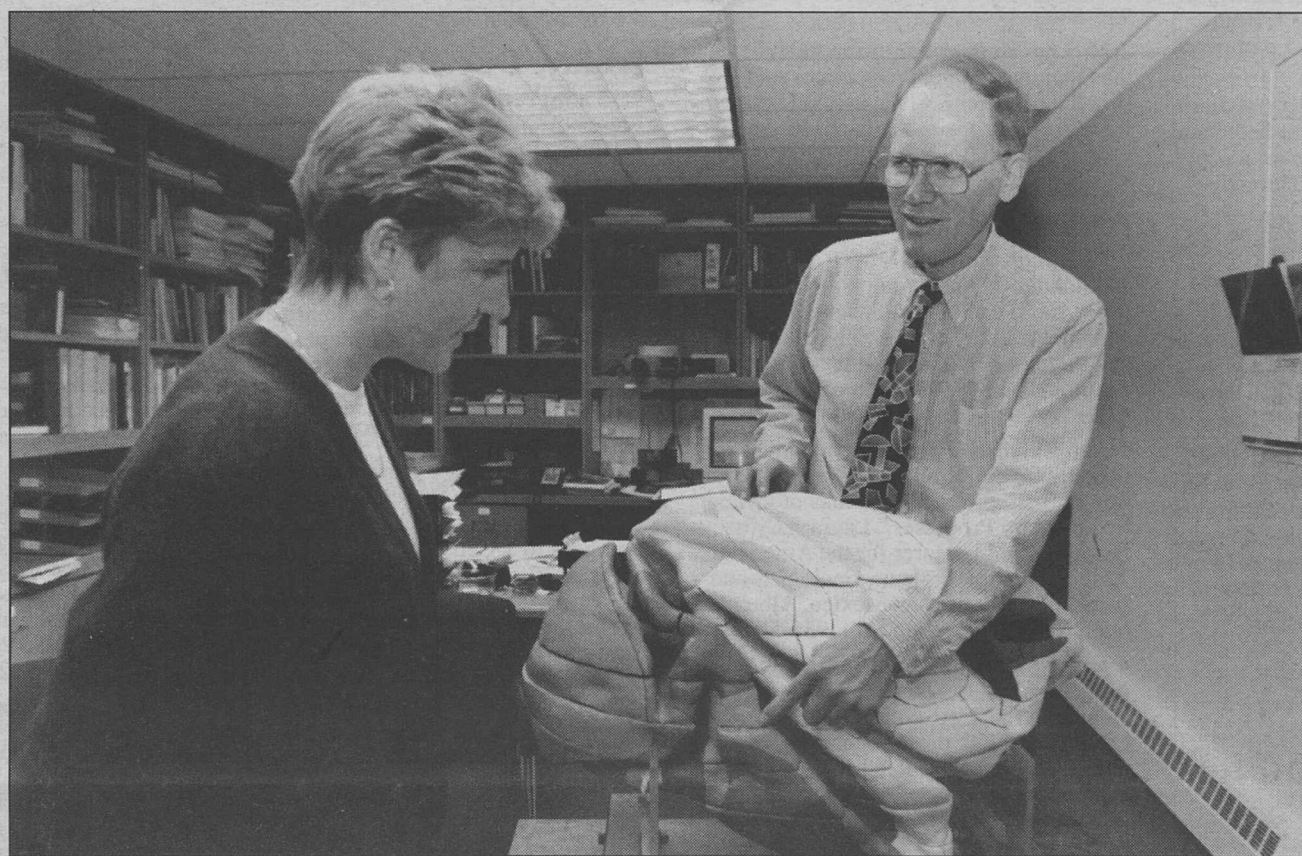
allow him to see which cells become active when a trained monkey sees a certain image. The main thrust of his current work is shape-recognition. "That's one of the major jobs of the visual system," he explained. "It enables us to distinguish a banana from an apple or to identify countless different faces and their expressions."

Jack L. Gallant, Ph.D., one of Van Essen's postdoctoral fellows, made a surprising observation about the way shapes are interpreted by an area of the visual cortex named V4. By showing monkeys complex patterns, he found that many neurons respond selectively to certain shapes, some firing best when the monkey sees, for example, a concentric circle, and others firing best when

a starburst pattern appears. Van Essen speculates that V4 cells synthesize this information by cleverly combining the outputs of neurons in the lower echelons of the visual system that simply analyze line orientation.

Gallant and Van Essen recently broke new ground by asking how cells in the visual cortex respond to natural images, such as photos of children boarding a school bus or primates in a forest. "The responses of neurons in the visual cortex to these images are not nearly as predictable as we expected from our experiments with conventional geometric patterns," Van Essen said. "So we are developing new strategies to decipher the responses to natural scenes."

As well as exploring the functions of single areas, Van Essen is studying general principles of how information flows through the visual system.



David Van Essen and Heather A. Drury, research scientist of neurobiology, discuss parts of the brain using a plastic foam model.

"The opportunities for major discoveries in neuroscience have never been more promising ..."

Van Essen uses stains that produce different patterns in different regions. He also listens in on conversations among neurons, figuring out which cells are talking to which. Using fluorescent dyes, he marks the pathways between areas, generating intricate "subway maps" of connectivity in the brain.

"David's work on the connections and functional organization of the visual pathways in the macaque monkey is considered the most reliable reference on the subject because he is a scholarly, critical and meticulous scientist," said Mark Konishi, Ph.D., Bing Professor of Behavioral Biology at Caltech.

Flat maps of the brain

To help visualize and make sense of this information, Van Essen has pioneered flat maps of the brain, developing methods to "iron out" the cerebral cortex, which sits inside the skull like a piece of crumpled paper. At Caltech in the 1980s, he developed manual methods for flattening maps of the monkey brain, which relaxes to the size of a peanut butter cookie. Later, he turned to computers. "But it was not until I moved to Washington University that we managed to develop a robust strategy for creating a computerized flat map," he said.

Charles H. Anderson, Ph.D., research professor of anatomy and neurobiology, realized it would be easier, in effect, to punch down the cookie dough quickly as a prelude to removing unwanted distortions.

Van Essen's computerized brain-mapping efforts, led by Heather A. Drury, research scientist of neurobiology, include a collaboration with Michael I. Miller, Ph.D., Newton R. and Sarah Louisa Glasgow Wilson Professor of Biomedical Engineering. The researchers are using "brain-warping" methods to compensate for individual differences in the shape of the brain. They also are deriving flat maps of the human brain, which relaxes to the size of a medium pizza.

Van Essen also is trying to find out how the brain recognizes objects. Recordings from single neurons

Hierarchies in the visual system

Hubel and Wiesel initially thought information from the retina of the eye flowed through the brain in one direction, like a signal passing from a camera to a TV set. "But what has emerged from findings in many labs — which I have helped pull together — is that there are multiple stages of processing and that information flows downward from the higher stages of the hierarchy as well as upward from the lower stages," Van Essen said.

He compares this arrangement with a government agency in which employees collect information, process it and send it to a department head. Summaries eventually may reach the director, but the director also influences the data flow by asking employees to focus on certain topics.

Visual attention offers a dramatic example of such a feedback loop in the visual system. For example, it allows us to look into someone's eyes and ignore other details of the face or other nearby objects. This strategy saves the brain from processing all of the megabytes of visual information that pass down the optic nerve each second.

Postdoctoral fellow C. Edward Connor, Ph.D., discovered that paying attention to an object does not simply increase or decrease the responses of a given neuron. Testing a model originally developed by Anderson, he and Van Essen found that the part of an image to which a particular neuron can respond shifts as attention moves from one region of the image to another. They also discovered that the strength of a neuron's response depends on where attention is directed — looking at the left side of a computer screen activates certain neurons in a different way than paying attention to the right side.

"So our nervous system must be dynamically adjusting the flow of information from lower centers to higher centers as visual attention shifts from one place to another," Van Essen explained. The researchers now are refining their original model to obtain better quantitative agreements with these new experimental data.

Van Essen said he believes the brain is so complex that it will be impossible to understand it from looking only at experimental data. "So one of my objectives in coming to Washington University was to establish an environment where experimentalists and theoreticians work closely together," he said.

As director of the McDonnell Center for Higher Brain Function, Van Essen will continue to nurture research collaborations among neuroscientists on campus. "The opportunities for major discoveries in neuroscience have never been more promising than at present," he said. "And there is no better place for participating in this exciting quest than Washington University."

— Linda Sage

Calendar

Dec. 7-Jan. 20



Exhibitions

"Transitions." Features works by several new and longtime faculty members in the School of Art. Through Dec. 17. Gallery of Art, upper gallery, Steinberg Hall. Hours: 10 a.m.-4:30 p.m. weekdays; 1-5 p.m. weekends. 935-5490.

"Versions of the Self: The Poetry of John N. Morris." A selection of books and manuscripts tracing the career of Morris, a poet and retiring English professor. Through March 1. Special Collections, Olin Library, Level Five. Hours: 8:30 a.m.-5 p.m. weekdays. 935-5495.

Photography/digital imagery exhibit. Works by students in the master's of fine arts in photography program. Through Jan. 15. Midtown Art Center, 3207 Washington Ave., St. Louis. Hours: 2-6 p.m. weekdays; 2-5 p.m. Saturdays. 531-ARTS or 727-2840.

"Twelfth Floor Invitational." An exhibit involving 11 graduate students in the School of Art whose work ranges from painting and sculpture to printmaking and glass. Through Dec. 30. St. Louis Design Center, 917 Locust St., St. Louis. Hours: 10 a.m.-5 p.m. weekdays; 10 a.m.-4 p.m. Saturdays. 621-6446.



Lectures

Thursday, Dec. 7

11:15 a.m. Social work seminar. "Mental Health Services Research and Child Welfare," John Landsverk, director, Children's Center for Research on Child and Adolescent Mental Health Services, Children's Hospital and Health Center, San Diego. Room 353 West Campus Conference Center. 935-6660.

Noon. Genetics seminar. "Asymmetric Cell Divisions and Cell Migrations During Development of the *C. elegans* Nervous System," Gian Garriga, asst. prof. of genetics, U. of California, Berkeley. Cori Aud., 4565 McKinley Ave. 362-7072.

1 p.m. Vision science seminar. "Mechanisms and Roles of Fas/Fas Ligand-induced Apoptosis," Douglas R. Green, member and division head, La Jolla (Calif.) Institute for Allergy and Immunology. Seminar Room A, Eric P. Newman Education Center, 320 S. Euclid Ave. 362-3726.

2 p.m. The Jewish Hospital Board of Directors' Lecture of Distinction in Research. "How Cells Control Cholesterol," Joseph L. Goldstein, Louis A. Beecherl Jr. Chair in Biomedical Sciences, U. of Texas Southwestern Medical Center, Dallas. Eric P. Newman Education Center, 320 S. Euclid Ave. 454-8463.

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(s), 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.

2:30 p.m. Mechanical engineering seminar. "Optimal Filtering to Minimize Vibration in Elastic Manipulator Systems," David P. Magee, doctoral candidate, George W. Woodruff School of Mechanical Engineering, Georgia Institute of Technology, Atlanta. Room 100 Cupples II Hall. 935-6055.

4 p.m. Earth and planetary sciences colloquium. "Tectono-stratigraphy and Metamorphism in the Western Gneiss Region, Norway: What Do They Tell Us About Continental Collision Processes?" Peter Robinson, prof. of geology, U. of Massachusetts, Amherst. Room 362 McDonnell Hall. 935-5603.

4:30 p.m. Math colloquium. "Estimates for the Conjugate Function Operator on L (log L)," Daniel F. Shea, prof. of mathematics, U. of Wisconsin, Madison. Room 199 Cupples I Hall. (Tea: 4 p.m. in Room 200.) 935-6726.

Friday, Dec. 8

9:15 a.m. Pediatric Grand Rounds. "Childhood Immunizations — Get Ready for More," Penelope G. Shackelford, prof. of pediatrics, assoc. prof. of molecular biology, and director, Division of Infectious Disease. Clopton Aud., 4950 Children's Place. 454-6128.

Noon. Earth and planetary sciences brown-bag colloquium. "Early Cementation of Sandstones: Reflections of Cyclic Sedimentary Processes," Laura J. Crossey, Distinguished Lecturer for the American Association of Petroleum Geologists and assoc. prof., U. of New Mexico, Albuquerque. Room 102 Wilson Hall. 935-5603.

4 p.m. Anatomy and neurobiology seminar. "Live and Let Die: Role(s) of Bcl-2 in Dopaminergic Cell Types," Karen L. O'Malley, assoc. prof. of anatomy and neurobiology. Room 928 McDonnell Medical Sciences Bldg. 362-7043.

4 p.m. Medicine lecture. The 23rd Annual Carl Vernon Moore Memorial Lecture. "Transcriptional Mechanisms of Organ Commitment," Michael G. Rosenfeld, prof. of medicine, U. of California School of Medicine, San Diego, and principal investigator, Howard Hughes Medical Institute. Moore Aud., 660 S. Euclid Ave.

Monday, Dec. 11

3:45 p.m. Physics lecture. "Quantized Conductance in STM Point Contacts," Jakob Schiotz, research assoc. in physics. Room 241 Compton Hall. (Refreshments: 3:30 p.m.) 935-6276.

6 p.m. Radiology lecture. Third Annual G. Leland Melson Visiting Professorship and Lecture. "Ultrasound PACS: Are We There Yet?" Peter L. Cooperberg, chair, Dept. of Radiology, St. Paul's Hospital, Vancouver, British Columbia, Canada. Scarpellino Aud., Mallinckrodt Institute of Radiology, 510 S. Kingshighway Blvd. 362-2866.

Tuesday, Dec. 12

Noon. Molecular microbiology/microbial pathogenesis seminar. "Control of Sigma Factor Activity During Bacterial Differentiation," Charles Moran, prof. of microbiology, Emory U., Atlanta. Cori Aud., 4565 McKinley Ave. 362-7258.

3 p.m. Geometry seminar. Title to be announced. Rachel Roberts, asst. prof. of mathematics. Room 199 Cupples I Hall. 935-6726.

4 p.m. Diabetes research seminar. "TGF β and Diabetic Nephropathy," Jeremiah J. Morrissey, research prof. of medicine and asst. prof. of cell biology and physiology. Pathology Library, Room 3723 West Bldg. 362-7435.

Wednesday, Dec. 13

6:30 a.m. Anesthesiology Grand Rounds. "Functional Mapping of the Brain," Daniel L. Silbergeld, asst. prof. of neurology and neurological surgery and of anatomy and neurobiology. Wohl Hospital Bldg. Aud., 4960 Children's Place. 362-6978.

8 a.m. Obstetrics and Gynecology Grand Rounds. "Failure to Timely Diagnose Breast Cancer: Medicolegal Implications," Max Borten, assoc. clinical prof. of obstetrics, gynecology and reproductive biology, Harvard Medical School. Clopton Aud., 4950 Children's Place. 362-3143.

4 p.m. Biochemistry and molecular biophysics seminar. "Empty Space and the Structure of Proteins," Frederic M. Richards, prof. emeritus of molecular biophysics and

biochemistry, Yale U. Cori Aud., 4565 McKinley Ave. 362-0261.

Thursday, Dec. 14

1 p.m. Vision science seminar. "In Search of the Elusive mGRAP, and Other Metabotropic Tales," Carl Romano, asst. prof. of ophthalmology and visual sciences and of anatomy and neurobiology. East Pavilion Aud., Barnes Hospital. 362-3726.

4:30 p.m. Math colloquium. "Geometry and Equations of Smooth Surfaces in P⁴," Sorin Popescu, prof. of mathematics, Harvard U. Room 199 Cupples I Hall. (Tea: 4 p.m. in Room 200.) 935-6726.

Friday, Dec. 15

9:15 a.m. Pediatric Grand Rounds. "Cold Preservation Injury to the Hepatic Microvasculature," Steven M. Strasberg, prof. of surgery. Clopton Aud., 4950 Children's Place. 454-6128.

Noon. Cell biology and physiology seminar. "Protein-protein Interactions in Neuronal Exocytosis," Phyllis I. Hanson, postdoctoral fellow, Dept. of Pharmacology, Howard Hughes Medical Institute, Yale U. Cell Biology Library, Room 426 McDonnell Medical Sciences Bldg. 362-6950.

Monday, Dec. 18

4 p.m. Immunology seminar. "A Newly Identified Antigen Presentation Pathway: CD1 Restricts Presentation of Nonprotein Antigens to T Cells," Mike Brenner, prof., Dept. of Rheumatology/Immunology, Harvard Medical School, Brigham and Women's Hospital, Boston. Third Floor Aud., St. Louis Children's Hospital. 362-8748.

Tuesday, Dec. 19

9 a.m. Psychiatry/medicine lecture. Edwin F. Gildea Lecture. "The Repressed Memory Controversy," Elizabeth Loftus, prof. of psychology and adjunct prof. of law, U. of Washington, Seattle. Clopton Aud., 4950 Children's Place. 362-7772.

Wednesday, Dec. 20

6:30 a.m. Anesthesiology Grand Rounds. "Anesthesia and Epilepsy," René Tempelhoff, assoc. prof. of anesthesiology and of neurology and neurological surgery. Wohl Hospital Bldg. Aud., 4960 Children's Place. 362-6978.

1 p.m. Internal medicine seminar. "Growth Factors and Lung Development," Martin Post, director of neonatal research, Hospital for Sick Children, Toronto. Room 4202-04 Conference Room, Steinberg Bldg., The Jewish Hospital. 362-2254.

4 p.m. Biochemistry and molecular biophysics seminar. "The Regulation of Coagulation," George J. Broze Jr., prof. of medicine and of cell biology and physiology. Cori Aud., 4565 McKinley Ave. 362-0261.

Wednesday, Jan. 3

6:30 a.m. Anesthesiology Grand Rounds. "Peripheral Nerve Injury," Richard H. Gelberman, Fred C. Reynolds Professor and chair, Dept. of Orthopaedic Surgery. Wohl Hospital Bldg. Aud., 4960 Children's Place. 362-6978.

8 a.m. Obstetrics and Gynecology Grand Rounds. "Urinary Incontinence for the Primary Care Ob/Gyn," Rebecca P. McAlister, asst. prof. of obstetrics and gynecology, and Godofredo M. Herzog, assoc. prof. of clinical obstetrics and gynecology. Clopton Aud., 4950 Children's Place. 362-3143.

Thursday, Jan. 4

1 p.m. Vision science seminar. "The Iodoacetate-treated Monkey: A Model of Advanced Human Retinitis Pigmentosa," David H. Grosof, research asst. prof. of ophthalmology and visual sciences. East Pavilion Aud., Barnes Hospital. 362-3726.

Friday, Jan. 5

6 and 8:30 p.m. WU Association Travel Lecture Series. "Austria — Alpine Splendor," Joe and Mary Liz Adair, award-winning filmmakers whose recent productions have been presented in Washington, D.C., for the National Geographic Society. Graham Chapel. Cost: \$4.50. 935-5212.

Monday, Jan. 8

4 p.m. Immunology seminar. "Visualizing the Activation of Antigen-specific CD4⁺ T Cells In Vivo," Marc Jenkins, assoc. prof.

of microbiology, U. of Minnesota. Third Floor Aud., St. Louis Children's Hospital. 362-8748.

Tuesday, Jan. 9

4 p.m. Diabetes research seminar. "Regulation of Glucose Transport Into Skeletal Muscle," John O. Holloszy, prof. of medicine. Pathology Library, Room 3723 West Bldg. 362-7435.

Wednesday, Jan. 10

6:30 a.m. Anesthesiology Grand Rounds. "Predicting Risk for Venous Thromboembolism: The Role of Laboratory Testing," Joseph P. Miletich, prof. of medicine and of pathology. Wohl Hospital Bldg. Aud., 4960 Children's Place. 362-6978.

8 a.m. Obstetrics and Gynecology Grand Rounds. "Pre-conception Counseling," Marsha N. Fisher, chief resident, Dept. of Obstetrics and Gynecology. Clopton Aud., 4950 Children's Place. 362-3143.

Thursday, Jan. 11

1 p.m. Vision science seminar. "Regulatory Genes Involved in Herpes Simplex Virus Pathogenesis," David A. Leib, asst. prof. of ophthalmology and visual sciences and of molecular microbiology. East Pavilion Aud., Barnes Hospital. 362-3726.

Tuesday, Jan. 16

4 p.m. Diabetes research seminar. "Insulin and the Vasculature — Implications for Syndrome X," Alain Baron, prof. of medicine and director, Division of Endocrinology and Metabolism, Indiana U. Medical Center, Indianapolis. Pathology Library, Room 3723 West Bldg. 362-7435.

Wednesday, Jan. 17

6:30 a.m. Anesthesiology Grand Rounds. "Surfactant Protein B Deficiency," Harvey R. Colten, Harriet B. Spoehrer Professor of pediatrics and prof. of molecular microbiology. Wohl Hospital Bldg. Aud., 4960 Children's Place. 362-6978.

8 a.m. Obstetrics and Gynecology Grand Rounds. "Infertility and Ovarian Cancer," Anthony C. Pearlstone, instructor of obstetrics and gynecology. Clopton Aud., 4950 Children's Place. 362-3143.

Thursday, Jan. 18

1 p.m. Vision science seminar. "Optical Recording of Multi-cellular Activity in the Developing Retina," Rachel O. L. Wong, asst. prof. of anatomy and neurobiology. East Pavilion Aud., Barnes Hospital. 362-3726.

4:15 p.m. Philosophy/neuroscience/psychology colloquium. "The Structure of Opacity," Rick Grush, McDonnell Postdoctoral Fellow, Philosophy-Neuroscience-Psychology Program. Room 110 January Hall. 935-6670.

Friday, Jan. 19

3 p.m. Art history and archaeology/classics lecture. "Modern Visions of the Classical: Photography of the Roman Forum," Andy Szegedy-Maszak, prof. of classics, Wesleyan U., Middletown, Conn. Room 200 Steinberg Hall. 935-5287.



Music

Thursday, Dec. 7

8 p.m. WU Chorus concert. Directed by Eric Anthony, choral director in music. Graham Chapel. 935-5581.

Friday, Dec. 8

8 p.m. The WU Opera presents "Twice-seen Scenes: Short 20th-century Music-theater Pieces," an evening of experimental opera. Directed by Jolly Stewart, teacher of applied music. (Also Dec. 9, same time.) Umrath Hall Lounge. Cost: \$4; free for Friends of Music members. 935-5581.

Saturday, Dec. 9

8 p.m. Catholic Student Center singing event. "Festival of Carols — A Musical

Celebration of Advent and Christmas." Catholic Student Center, 6352 Forsyth Blvd. Cost: \$5 for the general public and \$3 for students with ID. Tickets may be purchased at the door. 725-3358.

Sunday, Dec. 10

3 p.m. Dept. of Music presents a sing-along of the Christmas portion of George Frideric Handel's oratorio "Messiah." Directed by John Stewart, assoc. prof. of music. Followed by wassail and carols. Graham Chapel. Cost: \$5 for the general public; \$3 for WU faculty and staff; and free for all students and Friends of Music members. 935-5581.



Performances

Friday, Jan. 19

8 p.m. Edison Theatre's "OVATIONS!" series presents the St. Louis premiere of "Needles and Opium." (Also Jan. 20, same time.) (*See story, this page.*) Edison Theatre. Cost: \$20 for the general public; \$16 for senior citizens and WU faculty and staff; and \$11 for WU students. 935-6543.



Miscellany

Thursday, Dec. 7

4:30 p.m. Women's conference forum. "Windows on Beijing: The United Nations' Fourth World Conference on Women." Speakers: Sally Haywood, administrator with the Center for Mental Health Services Research at the George Warren Brown School of Social Work; Linda Lindsey, adjunct assoc. prof. of social thought and analysis; Mavis Thompson, St. Louis City Circuit Clerk, 22nd Judicial Circuit of Missouri; Mary Jo Brauner of the Archdiocesan Center on Women in the Church and Capacitar International; and

others. Brown Hall Lounge. 935-5741 or 935-5102.

Friday, Dec. 8

Noon. Woman's Club luncheon. Scholarship award luncheon, musical program and silent auction. This year's scholarship will be presented to Anne Croy. Performers: Jeanenne Lambert and Michael Oriatti, vocals, and Karin DiBella, piano, all students in the Dept. of Music. Women's Bldg. Lounge. Cost: \$5. Open to Woman's Club members and their guests. Call 645-2022 to make reservations.

1:30-4:30 p.m. Chemistry symposium. William D. Phillips Memorial Symposium. Introduction by Joseph Ackerman, prof. and chair, Dept. of Chemistry, prof. of radiology, and research prof. of medicine. Program: "Protein NMR Yesterday and Today," Oleg Jardetzky, prof. of molecular pharmacology, Stanford U.; "DuPont Days and In Vivo NMR of Cancer," Jerry Glickson, prof. of biochemistry, Johns Hopkins U.; and "Glycogen Synthase Does Not Control the Rate of Glycogen Synthesis," Robert Shulman, Sterling Professor of Molecular Biophysics and Biochemistry, Yale U. Room 458 Louderman Hall. (Reception immediately following in the Women's Bldg. Lounge.) 935-6593.

Saturday, Dec. 9

7:45 a.m.-1 p.m. Office of Continuing Medical Education conference. "Contemporary Management of Myocardial Infarction." Eric P. Newman Education Center, 320 S. Euclid Ave. For cost info. and to register, call 362-6893.

10-11:30 a.m. Book arts workshop. "Marketing and Collecting Artists' Books," an informal discussion about marketing your books, with Douglas Dowd, asst. prof. of art; Patrick Renschen, lecturer in art (photography); and Bill Harroff, National Endowment for the Arts fellowship recipient and book artist. Room 104 Bixby Hall. To register, call 935-4643.

1-3:30 p.m. Art workshop. "Paper Marbling." Learn styles found in books of the 1800s, create styles from your own imagination and discuss tools needed to set up your own paper-marbling studio. Appropriate painting clothing should be worn. Room 212 Bixby Hall. Cost: \$35. For more info. and to register, call 935-4643.

Friday, Dec. 15

8 a.m.-5 p.m. Office of Continuing Medical Education conference. "Healthcare Issues — 1995." Eric P. Newman Education Center, 320 S. Euclid Ave. For cost and registration info., call 362-6893.

Swan named Player of the Year — from page 1

and fifth games. Finishing with a career-high 31 kills and a .433 hitting percentage, the senior Swan drilled five-consecutive kills during an 11-2 Bear run to start the fourth contest. Cal Lutheran counter-punched with a 9-1 run to come within a point at 12-11. An ace by junior setter Stephanie Habif and a pair of Bear blocks, the last by junior outside hitter Emmy Sjogren, enabled Washington University to push the match to a deciding fifth game.

Using the rally-scoring format (where a point is awarded on every serve), the two teams evenly split the first 10 points. The Bears scored four of the next five points to open up a three-point lead before Cal Lutheran brought matters back to 10-9. Sjogren ripped two kills, and Swan followed with another pair to bring the Bears to championship point at 14-9. The Regals scored twice before Swan provided the final punch with her patented "swing" attack.

Joining Swan with career-best kill counts were Martz and Sjogren, who logged 25 and 21, respectively. Habif orchestrated the action with 83 assists and a match-high five aces. Senior Nikki Gitlin contributed 13 kills and a team-high 20 digs.

Cal Lutheran was led by Tracy Little's 20 kills, 18 digs and seven blocks. The Regals out-blocked the Bears by a 15-12 margin and out-dug them 118-106. The Bears held the upper hand offensively, holding a 99-69 cushion in kills and out-hitting the Regals .290 to .181.

Swan and Martz, the Bears' unrivaled middle attackers, earned spots on the six-player NCAA all-tournament team.

"It's impossible to compare the national championships," said Washington University Coach Teri Clemens. "But this one certainly took the most toll on my heart. Our two seniors, Shelley Swan and Nikki Gitlin, just would not let us lose."

Swan and Gitlin supplied the punch in the semifinal Friday, Dec. 1, as the Bears dispatched Ithaca (N.Y.) College 15-5,

16-14, 15-11. The Bears stormed out of the gate in the first game with an 8-0 burst, with the senior duo supplying all eight points.

The critical juncture of the semifinal came in the second game when the Bears came back from a 14-11 deficit.

"When we were down 14-11, I was out of timeouts, and I had one substitution left," said Clemens. "There certainly wasn't much I could do. It was in the hands of the players."

"I don't think there's any question that there's a certain mentality on the court that takes over in critical situations. You expect to win instead of thinking that you might lose. The latter never enters the picture, quite honestly, with our squad."

Sjogren posted a team-best 13 kills against Ithaca. Also reaching double-figure kill counts were Swan with 12 and Gitlin with 10. Gitlin led all players with 12 digs and four aces.

In a prelude to the Final Four, four Bears were cited as All-Americans by the American Volleyball Coaches Association (AVCA) during a banquet on Thursday, Nov. 30. Swan, Gitlin and Habif were named to the 12-player first team, while Martz was a second-team selection. It was the second All-America nod for Swan, who was a second-teamer in 1994.

In addition, Swan was singled out as the AVCA Division III Player of the Year — the eighth-straight year a Bear has been picked as the nation's elite talent.

Happy holidays

This is the last Record issue of 1995. The Record will resume weekly publication with the issue dated Jan. 18, 1996. The Record staff wishes readers a joyful holiday season and a happy new year.

Lepage's theatrical masterpiece 'Needles and Opium' at Edison

Marc Labrèche will perform the visual artistry of Robert Lepage's critically acclaimed "Needles and Opium" in its St. Louis premiere at 8 p.m. Jan. 19 and 20 in Edison Theatre.

"Needles and Opium" is a series of vignettes that create an elegy to lost love and a hypnotic exploration of the creative process as revealed through the lives of poet/filmmaker Jean Cocteau and jazz great Miles Davis.

Edison Theatre had planned to present "Needles and Opium" in February 1995, but scheduled performances were canceled because of visa complications. The Canadian cast and crew members of "Needles and Opium" were unable to gain timely approval from the U.S. Immigration and Naturalization Service of their applications for P3 visas, which normally are issued for "culturally unique artists and entertainers."

Lepage, a French Canadian, is one of the most sought-after theatrical directors in the world. "Needles and Opium" — conceived, designed and originally performed by Lepage — is an outstanding

example of the technical and artistic innovations for which he is internationally known. The solo performance features a multimedia kaleidoscope of music, shadows, color, trompe l'oeil, documentary footage and text on a Lycra screen. The piece will be performed at Edison by Labrèche, a noted Canadian film and stage actor.

In "Needles and Opium," Lepage explores Cocteau's opium addiction, Davis' heroin habit and Lepage's own obsession with his ex-lover. The result is an examination of loss and how an artist survives almost unendurable pain, becoming more individualistic along the way.

USA Today calls Lepage "the most inventive theater director since Robert Wilson," while describing "Needles and Opium" as a "theatrical masterpiece."

The performance is part of Edison Theatre's "OVATIONS!" series. Tickets are \$20 for the public; \$16 for senior citizens and Washington University faculty and staff; and \$11 for University students. Tickets are available at the Edison Theatre box office (935-6543) or Metrotix (534-1111).

United Way campaign hits \$300,000 target

Washington University's United Way campaign has reached its goal of \$300,000, announced Clarence C. Barksdale, the University's campaign coordinator and vice president of the Board of Trustees.

"Not only did we once again reach our goal, but we got there faster than ever," said Barksdale.

In past years, the drive was completed around the end of December. This year, the University's goal was met before Thanksgiving. The final tally was \$300,214, with contributions of \$138,763 from the Medical Campus, \$106,605 from the Hilltop Campus, and \$54,846 from West Campus. Because donations still are coming in,

Barksdale predicts the campaign ultimately will raise close to \$305,000.

Although the University raised more money than last year, the same percentage of people participated as last year — 19 percent.

"I would like to thank everyone who contributed to the United Way this year. I especially applaud the efforts of the campaign leaders on the three campuses," said Chancellor Mark S. Wrighton, Ph.D. "I look forward to working with such dedicated people again during next year's drive."

United Way contributions still are being accepted and may be sent to Sharon McKinnis at Campus Box 1184.

Sports

Compiled by Mike Wolf, director, and David Moessner, assoc. director, sports information.

Swimming, diving teams finish strong at DePauw

The men and women's swimming and diving teams placed third on the men's side and fourth on the women's on Friday and Saturday, Dec. 1 and 2, at the DePauw University Invitational in Greencastle, Ind. Fourteen Bears recorded personal bests in the process, including the freshman trio of Ryan Schuenke, Julie Alderman and Michelle Messley, who each cracked WU's all-time top-10 list in their specialties. Schuenke was the Bears' only double-winner, claiming first in both the 100- and 200-yard breaststroke events. Junior Jason Price earned the men's third individual win, touching the wall first in the 200-yard freestyle. Messley netted the women's only victory, which came in the 100-yard breaststroke.

Current record: men 5-2, women 2-3

Men's basketball snares third-straight crown

Overcoming a five-point halftime deficit in the championship game of the 12th Annual Lopata Classic, the Washington University men's basketball team exploded for 56 second-half points and blew away highly touted Hamilton College (Clinton, N.Y.) 91-69 on Saturday, Dec. 2, for its third-consecutive tourney crown. With 12:48 to play in the game, the Bears trailed the Continentals, a 1995 NCAA Sweet Sixteen team, 56-48. The Bears then outscored Hamilton 31-1 in the next eight minutes to take a commanding 79-57 lead. Led by their three all-tourney selections — Brent Dalrymple, Gene Nolan and J.J. Siepierski — the Bears sank 10 of their school-record-tying 15 three-pointers in

the second half. Dalrymple, named the Lopata Classic most valuable player for the second-consecutive year, drained a career-high four three-pointers en route to a 24-point, 11-rebound performance in the championship game. Nolan added 23 points, including seven three-pointers, while Siepierski tied a single-game school record with 12 assists.

Current record: 5-2

This week: 7:30 p.m. Wednesday, Dec. 6, at Millikin University (Decatur, Ill.); 7:30 p.m. Saturday, Dec. 9, at University of Missouri-St. Louis

Women's basketball wins two of three

Two out of three is not bad — but it's not what the women's basketball squad had in mind last week. The Bears dropped their first game of the year on Saturday, Dec. 2, a 58-55 decision to Trinity University (San Antonio) at the 1st Texas Shootout Classic, held in Georgetown, Texas. Wrapped around the loss was a 77-42 victory at Maryville University on Nov. 28 and a 61-46 win over Shootout Classic host Southwestern University on Sunday, Dec. 3. Sophomore guard Amy Schweizer led the injury-impaired Bears, who have three pivotal players out of action, by scoring a career-high 29 points against Trinity and 23 against Southwestern. For her performance, Schweizer was named to the five-player all-tourney team. Also netting a career-best outing was junior forward Sara Scheffler, who lit up Southwestern for 20 points.

Current record: 6-1

This week: 5:30 p.m. Saturday, Dec. 9, at University of Missouri-St. Louis

Agreement allows exchange of Washington, Yonsei students

Beginning in the fall of 1996, two Washington University students will spend a semester at Yonsei University in Seoul, Korea, through a new exchange agreement between the two universities. At the same time, two Yonsei students will enroll at Washington University.

Michele W. Shoresman, Ph.D., associate director of the Office of International Studies in Arts and Sciences, said Yonsei is a premier university with 30,000 students and more than 1,000 faculty members. Emphasizing the flexibility of the agreement, she said: "Students can attend Yonsei for one semester or for the full academic year. They can improve their Korean language skills, as well as choose from more than 30 courses taught in English. Yonsei offers a wide array of credit courses in business, economics, general history, art history, anthropology and political science."

The Arts and Sciences' Office of Overseas Programs will administer the agreement.

Washington University students who complete a semester at Yonsei also are eligible for internships at Korean companies. Shoresman has made arrangements for the two students to serve as interns, if they choose, at the Samsung company in the spring or summer after completing a semester of courses at Yonsei. In addition, Gary M. Hochberg, Ph.D., associate dean for the undergraduate program at the John M. Olin School of Business, has traveled to Korea to meet with international alumni and parents of Washington University undergraduates from Korea to discuss the possibility of developing additional internship experiences to complement students' academic work at Yonsei.

Shoresman said the interns' responsibilities at Samsung will depend on the students' interests and skill levels. In the past, however, students in other Washington University internship programs have created marketing plans for foreign companies to sell their products in the United States, as well as translated documents. Interns will be working through Samsung's Global Management Institute, where the corporation offers classes on various cultures for its managers going abroad. The classes are taught in a number of languages.

Full-time students from both institutions will be able to earn from 12 to 15 credit hours per semester. Because Washington University does not offer a variety of credit courses taught in Korean, exchange students from Yonsei must be proficient in English.

At Washington University, the exchange program is open to undergraduates (sophomores and above) and graduate students. All Washington University participants must have taken a year of Korean language courses and have at least a 3.0 grade point average.

Besides student involvement, the agreement eventually will include the exchange of faculty members, said Shoresman. She hopes that a Washington University professor will go to Yonsei early next summer to teach and conduct research. A faculty member at Yonsei, meanwhile, will visit Washington University in February. Shoresman said several Washington University faculty members, particularly those teaching in East Asian Studies in Arts and Sciences, already have expressed interest in the program. Other plans, which have not been finalized, include joint research projects, cultural programs and conferences.

The Yonsei administrator for the program is Horace H. Underwood, Ph.D., director of Yonsei's Division of International Education. Shoresman developed the agreement after Ja Song, D.B.A., Yonsei's president, expressed interest in participating in such an exchange.

Song, who received a doctorate in business administration in 1967 from Washington University, was a speaker at the Oct. 6 installation of Mark S. Wrighton, Ph.D., as Washington University's 14th chancellor. Speaking on behalf of college and university presidents and international alumni, Song told the audience, "It is important to recognize the fact that our world, and in particular our universities, can no longer be limited by national or cultural boundaries."

Shoresman, who teaches a course called "East Asian Educational Policy" each spring at Washington University, said the exchange agreement is an integral part of the University's East Asian Studies curriculum. Because of a federal grant awarded to the Joint Center for East Asian Studies four years ago, Korean language courses now are being offered at Washington University. Sixteen students are taking the courses this fall. The joint center is a consortium between East Asian Studies at Washington University and the Center for International Studies at the University of Missouri-St. Louis.

Shoresman said she believes individuals studying the Korean language and culture need to spend time in the country — and not just to hone their Korean language skills. "It's really critical for students to have that in-country experience," she said. "The whole survival aspect of it — the learning how to accept that there are different ways of doing the same things we do



Ja Song, president of Yonsei University, and Chancellor Mark S. Wrighton.

every day, that there are many ways to solve problems — opens students' eyes and leaves them changed forever. You just can't avoid it, because things are approached from a very different perspective. It really forces students to rethink their own values and their own ways of doing things. That happens when students go abroad."

The student deadline for fall 1996 applications is Feb. 1. For more information, call Shoresman at 935-5958 or Colette H. Winn, Ph.D., associate dean of the College of Arts and Sciences for overseas programs and professor of French, at 935-6151. — Carolyn Sanford

Architecture students 'recycle' abandoned space in downtown St. Louis

Using cast-off rollers from old-fashioned conveyor belts, surplus muffler guards from U.S. Army trucks, and anything else they can find, School of Architecture students are bringing a funky, hip look to an abandoned floor of the International Shoe Building in downtown St. Louis.

The students in Associate Professor Jana Pereau's design studio are learning — in a real-life setting — about working with a client, budgeting a project and finding appropriate building materials. An added bonus is that all of their work has resulted in design studio space of their own.

The International Shoe Building is located off of Washington Avenue in an area known as the "Loft District."

While giving some students a tour of the Loft District last year, Pereau, D.Des., met Tim Tucker, managing partner of the International Shoe Building.

Tucker told her, "Your students should really be working on pragmatic, realistic projects like those available in the Loft District. And I challenged her to work on one of the buildings down here."

Pereau loved the idea and took up the challenge. The project fit Pereau's vision of conserving elements of St. Louis' architecture, and at the same time, it helped solve the problem of cramped studio space in Givens Hall.

The students also worked with Bob Cassily, a sculptor who owns several Loft District buildings, including the International Shoe Building. Cassily — perhaps best known for creating the serpent sculpture circling the International Shoe Building's parking lot — wanted to tap into the students' creative energies to develop ideas for the 60,000-square-foot third floor.

The students will use 5,000 of the 60,000 square feet for their own design studio. Although the students gave up the convenience of on-campus studio space, they gained the excitement of creating their own studio.

Preliminary plans for the remaining space include an architecture museum, expanded space for the Eugene Field House and Toy Museum, and a dinosaur display. Much of the rest of the 10-story shoe building is occupied.

"The thing that appeals to me the most about our design studio project is that



Graduate student Dan Lake assembles shelves in a School of Architecture design studio in downtown St. Louis. The adjustable shelving units are plywood boards resting on supports made of old conveyor-belt parts.

there is a lot of out-moded material in the world, and it seems criminal to throw it all away," said Pereau. "The concept of recycling applies to the entire building. Factories don't fit in the building anymore, but we can use it in some other way. Like Bob and Tim, the students totally understood that and got into it by recapturing, salvaging or scavenging the material we needed."

Conveyor-belt parts are the signature materials of the design studio space. When the class began working on the third floor, an old conveyor belt that no longer met safety codes lined the perimeter. Now, discarded conveyor-belt rollers form an arch at the entrance to the students' space. Partitions between each student's work

area likewise are made of conveyor-belt parts, as are shelving, a track setting for a glass wall, and parts of the light fixtures. The main door, scavenged from somewhere else in the building, has a roller for its handle.

So far, the only item purchased was plate glass for one wall. Everything else either has been salvaged from the third or fifth floors or was something Cassily had on hand. For example, he had a warehouse of surplus Army muffler guards, which now are used in light fixtures. In addition, when the students wanted to demonstrate how a curved wall would look, Cassily provided 4,000 one-gallon buckets that the students stacked like

bricks to help Cassily and Tucker picture the idea.

This design studio is all of architecture rolled into one: The students have worked with a client, applied for building permits, learned from other architects, done construction, scavenged and salvaged building materials, worked out a budget and reworked the budget, worked in teams and learned about building codes.

"This has been a great learning experience for the students because, generally, in architecture school, people like to focus on one really good idea, but here we have to give the clients lots of options," said Pereau.

In addition, she told her class: "You have to show you can think in multiple directions and multiple uses. You have to be able to explain how the curved wall functions better than straight walls; how it defines circulation or storage. How does this design work any better than a simple T-plan that can easily be sliced up into office spaces? You need to emphasize the flexibility of the space because that will sell your design to people starting to get cold feet."

The class also represents a growing effort by the School of Architecture to become more active in St. Louis' architectural community. Last year, students took part in a symposium on housing issues. They tried to design transitional housing, working in conjunction with the St. Louis Housing Authority. Plans are being made to have a design studio project downtown every semester. Becoming more intimately involved in the city is the commitment of Cynthia Weese, FAIA, dean of the school.

Pereau is tremendously pleased with her students' progress.

"Tim and Bob regularly bring up prospective tenants, bankers, real estate people. They are amazed and impressed with how creative the students have been," said Pereau. "The faculty also have been out and love the use of materials. The people who really like it the most are the architecture professionals because, by taking hold of the industrial feel of the space and picking that up in many of the design elements, we demonstrated how to capitalize on aspects of the space that some would see as negatives, and turned them into opportunities."

— Debby Aronson

For The Record

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

Of note

Three researchers from the George Warren Brown School of Social Work were part of a team honored by the Health Education Quarterly for writing the Best Paper of the Year. They are: **Renee Cunningham**, Ph.D., who received a doctorate in social work from the school and is now a postdoctoral student in psychiatry; **Peter Dore**, the school's database manager; and **Arlene Stiffman**, Ph.D., associate professor. Felton Earls, a professor at the Harvard University School of Public Health, also was part of the team. The article, which was published in the quarterly earlier this year, is titled "Person and Environment in HIV-risk Behavior Change Between Adolescence and Young Adulthood." ...

Memory Elvin-Lewis, Ph.D., professor of microbiology in biomedicine and professor of ethnobotany and adjunct professor of biology in Arts and Sciences, was elected a fellow of the Linnean Society of London, one of the world's oldest and most prestigious and selective biological societies. She was elected for her pioneering contributions toward understanding the therapeutic basis of folk dentistry and for her work with the indigenous people of the Amazon River basin on medicinal uses for plants. ...

Several faculty members in the School of Architecture received awards or served

on juries during the St. Louis chapter of the American Institute of Architects/Construction Products Council of St. Louis' design awards program at the city's Grandel Square Theatre in Grand Center. **George Nikolajevich**, visiting associate professor, received an Honor Award for the New Visitor's Center, Franklin D. Roosevelt Library and Museum project in Hyde Park, N.Y. **Cynthia Weese**, FAIA, professor and dean, received an Honor Award for A Secret Garden of a New Leaf project in Chicago. **Iain A. Fraser**, associate professor, and Nikolajevich served on the architectural drawings jury. **M. Jana Pereau**, D.Des., associate professor, was a member of the 25-year award jury.

Speaking of

Samir K. El-Mofty, D.M.D., Ph.D., associate professor of pathology and of otolaryngology, presented a lecture on "The Epidemiology and Oral Manifestations of HIV Infection: An Update" during the seventh International Dental Congress in Cairo, Egypt. ...

David Felix, Ph.D., emeritus professor of economics in Arts and Sciences, presented a joint paper, "On the Revenue Potential and Phasing in of the Tobin Tax," at the United Nations Development Program's conference in New York. The conference was titled "New and Innovative Sources of Financing Development." Felix wrote the paper with Ranjit Sau, Ph.D., a former visiting professor of economics at Washington University. ...

Wallace receives governor's teaching award

William Wallace, Ph.D., associate professor in the Department of Art History and Archaeology in Arts and Sciences, has received a 1995 Governor's Award for Excellence in Teaching from the Coordinating Board for Higher Education, a state policy board that oversees the Missouri Department of Higher Education.

Wallace teaches both undergraduate and upper-division courses while engaging in original research on the life and legacy of Michelangelo. In selecting Wallace for the award, Washington University officials described him as a faculty member "whose devotion to scholarly pursuit is matched by both his love of teaching and his commitment to the community." Since 1993, the awards have been presented annually to an outstanding faculty member from each of about 50 public and independent colleges and universities in Missouri. The 1995 awards were scheduled to be presented on Thursday, Dec. 7, at a statewide higher education planning conference at St. Louis Community College at Forest Park.

While each institution has the flexibility to adopt its own procedures for select-

ing its awardee, the recommended criteria include effective teaching and advising at the undergraduate level; service to the college community; commitment to high standards of excellence; success in nurturing student achievement; and impact on the academic and personal lives of students.

Wallace's students have commented on his extraordinary ability to connect with students in his large art history survey courses. His lectures prompt students to scramble for front-row seats in Steinberg Hall Auditorium.

"His upper-level classes are exciting," said Martha Ahrendt, a doctoral candidate in art history and a student in Wallace's class on Renaissance patronage. "He believes that research is alive ... and that students can come up with new ideas, too."

Wallace received a bachelor's degree in 1974 from Dickinson College in Carlisle, Pa., a master's degree in 1976 from the University of Illinois in Urbana-Champaign, and a doctorate in 1983 from Columbia University, all in art history. He is the recipient of numerous grants and fellowships, including awards from the National Endowment for the Humanities and the American Council for Learned Societies. He has received wide recognition for his 1994 book titled "Michelangelo at San Lorenzo: The Genius as Entrepreneur," which was published by Cambridge University Press.

Robert McFarland, Ph.D., chemistry librarian, delivered a paper on "Faculty Perspectives of Graduate Education" during the Association for the Study of Higher Education's annual conference in Orlando, Fla. His talk was based on research and interviews with faculty in the College of Arts and Sciences.

Making the news

Michael Sherraden, Ph.D., Benjamin E. Youngdahl Professor of Social Development, was quoted in the Los Angeles Times on individual development accounts for the poor.

To press

Matt Visser, Ph.D., research assistant professor of physics in Arts and Sciences,

is scheduled to publish a paper in the Dec. 15 issue of the Physical Review D journal. The paper is titled "Thin-shell Wormholes: Linearization Stability." He wrote the paper with Eric Poisson, Ph.D., a former postdoctoral fellow at Washington University who now teaches at the University of Guelph in Ontario, Canada.

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, or p72245cs@wuvmd.wustl.edu. Items must not exceed 75 words. For information, call Sanford at 935-5293.

Federal judges challenge students during moot court competition

Three prominent federal judges recently presided over the final oral arguments of the annual Wiley Rutledge Moot Court competition at the School of Law.

The judges were Theodore McMillian of the 8th U.S. Circuit Court of Appeals; Bernice B. Donald, a U.S. bankruptcy judge for the Western District of Tennessee; and Edward R. Becker of the 3rd U.S. Circuit Court of Appeals.

Moot court is a simulation of an appeals court, with students arguing hypothetical cases. During the hourlong final competition in the school's courtroom, the judges asked challenging questions and afterward gave the four contestants feedback on their performances.

"This was one of the most distinguished panels of judges we ever had preside over the moot court finals," said Karen Tokarz, LL.M., clinical education director and professor of law.

After the competition, Tokarz presented McMillian with a crystal, flame-shaped award from the law school in honor of his 40 years on the bench. McMillian graduated first in his class in 1949 from the Saint Louis University School of Law. He was a founding partner of his own law firm and later served as an assistant circuit attorney for the city of St. Louis. McMillian then became the first black appointed to the circuit court for the city of St. Louis (1956), the Missouri Court of Appeals for the Eastern District of Missouri (1972), and the U.S. Circuit Court of Appeals (1978), where he currently serves.

Donald, the country's first black woman to be named a bankruptcy judge, is based in Memphis. A 1979 graduate of the Uni-

versity of Memphis' Cecil C. Humphreys School of Law, Donald was appointed to the bankruptcy court in 1988. She also served for six years as a criminal court judge in Tennessee. Donald also was the first black to be elected to the state court bench in Tennessee. She has received more than 100 awards for professional, civic and community service.

Becker, who is based in Philadelphia, was appointed to the 3rd U.S. Circuit Court of Appeals in 1981 after spending 13 years in private practice and 11 years as a judge for the U.S. District Court. He has written many important decisions, including one on the admissibility of scientific evidence upon which the Supreme Court drew heavily in *Daubert vs. Merrill Dow*. He is a member of the American Law Institute and a graduate of Yale Law School.

This year's moot court was the largest competition in its 128-year history. The 178 students who participated comprised almost one-half of the eligible students — those that are in their second or third years. Lawyers from the Bryan Cave firm in St. Louis graded the 89 briefs. The Golden Gavel award winner for best oral argument in the preliminary rounds was Gila Rosenstock, a third-year law student. The Golden Quill award winner for best brief was Caz Hashemi and Shawna Jahn, both second-year law students. Hashemi, Jahn and third-year law students Todd Metcalf and Doug Passon were the finalists in the competition. The chair of the student moot court board, which organized the competition, was Danine Lard, a third-year law student. Katherine Goldwasser, J.D., professor of law, served as faculty adviser.

Scholarship recipients honor John Ervin

Senior Thomas B. Gill, a John B. Ervin Scholar, never met the man for whom his scholarship is named. But in November, he organized a commemoration program in Ervin's honor.

"Dr. Ervin died the day my class of Ervin Scholars was supposed to meet him," said Gill, a mathematics major. "The Ervin Scholars attend monthly activities, but the events have no direct correlation to Dr. Ervin: the man, the father, the teacher, the husband. Dr. Ervin did a lot for the University community. To get together and remember what he was like is very important so Ervin Scholars can understand why the scholarships exist and why we are here."

Ervin, Ed.D., former dean of the University's School of Continuing Education, died Oct. 7, 1992, at his Olivette home after an apparent heart attack. He was 76. In 1987, Washington University established the John B. Ervin Scholars Program in honor of Ervin, a nationally recognized black educator. Up to 10 full-tuition scholarships are awarded to talented college-bound black high school students each year through the program. To date, five classes of Ervin Scholars have graduated from the University.

Two years ago, Ervin Scholars dedicated a bench in Brookings Quadrangle in memory of Ervin. The bench, which sits northwest of the entrance to Ridgley Hall's Holmes Lounge, was the site of the November commemoration program. When Gill realized that two years had elapsed since a program was held in Ervin's honor, he sought assistance from Dorothy Elliott, assistant director of the John B. Ervin Scholars Program.

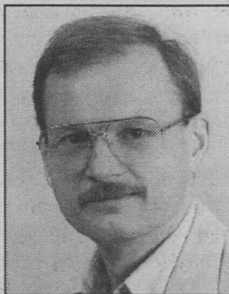
During the commemoration program, which was attended by members of Ervin's family and current Ervin Scholars, James E. McLeod spoke on "Remembering John Ervin." McLeod, director of the John B. Ervin Scholars Program, is vice chancellor of students and dean of the College of Arts and Sciences. Ervin Scholars Cecil G. Wood III, a senior engineering major, and Carla Cartwright, a junior majoring in secondary education and English literature, also spoke, along with Ervin's wife, Jane, and the Ervins' daughter, Jacqueline Creighton.

The application deadline for the 1996-97 Ervin Scholars Program is Jan. 15. For more information, call 935-6800.

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 (School of Medicine).

"Disembodied Voices: Music and Culture in an Early Modern Italian Convent" is the title of a book by **Craig A. Monson**, Ph.D., professor and chair of the Department of Music in Arts and Sciences. Sixteenth- and early 17th-century Italy witnessed an increased number of women entering the cloistered life of Catholic religious orders. In the city of Bologna during this period, approximately one-seventh of the entire female population lived behind convent walls. In "Disembodied Voices," Monson tells the story of Santa Cristina della Fondazza, the convent in Bologna most renowned for music. He traces the artistic, spiritual and practical lives of the nuns in this convent during the late 16th and 17th centuries. (University of California Press, Berkeley, Los Angeles, and London)



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.

Communications Technician I 960103. *Communications Services.* Requirements: high school graduate; training and/or experience in concepts of operation and maintenance of communication equipment; ability to perform strenuous work and heavy lifting; willingness to work flexible hours and overtime; use of personal vehicle required, with mileage reimbursement; ability to detect and differentiate the telephone color code. Application required.

Software Engineer 960107. *Department of Computer Science.* Requirements: bachelor's degree; experience with operation and/or management operation of UNIX computer system.

Application Design Manager 960110. *Computing and Communications.* Requirements: bachelor's degree, master's degree preferred; 10 years experience; proven ability to design, program and install major business systems; proven ability to lead others in information systems project development; imagination to guide SIS development in new ways; experience in new technologies in a distributed computing environment; ability to manage complex tasks; good interpersonal skills; good communication skills; service-oriented; programming background or knowledge; training in principles of computing sciences and business processes; successful track record in higher education systems management is preferred. Application required.

Department Secretary 960112. *Major Gifts.* Requirements: associate's degree or equivalent knowledge; specialized secretarial and business training; detail-oriented; three years general office experience; good command of English; alert; well-spoken; ability to deal with multiple priorities; maturity; well-groomed; pleasant personality; ability to work well with and relate easily to people; sensitivity to the needs and mission of Washington University and higher education; understanding of the importance of alumni and friends to the health of higher education; knowledge of medical school helpful; willingness to learn. Application required.

Administrative Assistant 960113. *Financial Planning.* Requirements: high school graduate; excellent PC skills; word processing skills; familiarity with FIS is a plus; detail-

oriented; maturity; strong organizational skills; excellent communication skills; five years of office or related experience; propensity to work independently. Application required.

Department Secretary 960114. *Alumni and Development Programs.* Requirements: high school graduate; specialized secretarial and business training; three years general office experience, including word processing; strong verbal and written skills; pleasant, professional manner with co-workers, volunteers and outside vendors; strong organizational skills and ability to apply these skills toward accomplishing multiple priorities with minimal supervision; willingness to work overtime. Application required.

CFU Accountant 960115. *Accounting Services.* Requirements: undergraduate degree in accounting and/or a certified public accountant; master's degree in business administration is a plus; three to five years accounting experience; cost accounting, construction or real estate management accounting experience preferred; fund accounting preferred; analytical mind with a high degree of intelligence and the ability to "think on his/her feet"; experience working with PCs and proficiency in spreadsheet software; experience with word processing and database-management software, such as Focus, preferred; excellent interpersonal skills; service-oriented communicator and a team player with the ability to forge relationships and bring groups together on difficult issues. Application required.

Gift/Life Income Representative 960116. *Accounting Services.* Requirements: bachelor's degree; relevant accounting experience preferred; experience in Focus, Infinity and FIS preferred; experience in spreadsheets and word processing; excellent communication skills; developed analytical skills; high attention to detail; ability to work independently with a high degree of reliability, accuracy and productivity; ability to meet deadlines with varying degrees of pressure; ability to handle confidential information responsibly; ability to participate as a team member on various projects to achieve the goals of Accounting Services. Application required.

Tax Customer Service Representative 960117. *Accounting Services.* Requirements: bachelor's degree; nine semester hours of accounting and two years experience; fund accounting experience in a complex university environment preferred; mathematical aptitude; attention to detail; experience working with PCs; proficiency in spreadsheet software; experience with Focus programming language and IBM PC proficiency; demonstrated ability to understand technical IRS regulations and procedures preferred; excellent interpersonal skills; a service-oriented communicator and a team player with

the ability to forge relationships and bring groups together on difficult accounting issues. Application required.

CFU Associate Accountant 960118. *Accounting Services.* Requirements: bachelor's degree; three years accounting experience, fund accounting preferred; strong PC skills; proficiency in spreadsheets; experience with word processing and database-management software, such as Focus, preferred; excellent interpersonal skills; a service-oriented communicator and a team player with the ability to forge relationships and bring groups together on difficult accounting issues; self-motivated individual driven by challenge; ability to participate as a team member on various types of projects to achieve the goals of Accounting Services. Application required.

Computer Systems Administration 960119. *Engineering Computer Lab.* Requirements: bachelor's degree; experience with computer management, C language, Unix, data processing, Windows and Windows NT. Application required.

PC Support Technician 960120. *School of Law.* Requirements: certificate or associate's degree; extensive experience with IBM mainboards, add-on cards, hard disk drive, communication hardware and software; some network experience helpful; experience with a variety of PC-based software, specifically WordPerfect, Windows, spreadsheets, scanning OCR and database; strong DOS and Windows background; ability to stay on track regardless of interruption and to do so without prompting; ability to work independently for long periods; excellent verbal communication skills. Application required.

Technical Service Manager 960123. *Campus Stores.* Requirements: high school graduate, some college preferred. This is a technical position, working under general supervision, providing technical support for computer hardware, software, peripherals and printer sales to University departments, faculty, staff and students. Duties: install system and software; supervise the maintenance, procedures and inventory control of the service area; assist with user sales; assist with training and supervision of student employees. Application required.

CFU Accountant 960125. *Accounting Services.* Requirements: bachelor's degree; three to five years of university accounting experience; analytical mind with a high degree of intelligence and the ability to "think on his/her feet"; experience working with PCs and local area networks; experience with word processing, spreadsheet and database management; excellent interpersonal skills; service-

oriented; team player. Application required.

Government Grants Specialist II 960127. *Accounting Services.* Requirements: certificate or associate's degree; four years or equivalent experience, preferably in a university environment, including computer systems; ability to read, understand and interpret grant guidelines from a variety of government agencies; ability to analyze the projected monthly cash needs for each grant's activities within these guidelines; ability to work independently with a high degree of reliability; ability to manage time to permit the timely preparation of quarterly and final status reports; good interpersonal skills. Application required.

Career Resources Librarian 960129. *John M. Olin School of Business.* Requirements: certificate or associate's degree; creativity; strong organizational skills; degree or background in library science and/or library/research experience preferred; strong customer-service orientation very helpful. Application 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 362-7197 to request an application. External candidates may call 362-7195 for information regarding application procedures or may submit a résumé 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.

User Support Technician 951068-R. *Genetics.* Schedule: part time, 20 hours per week, flexible. Requirements: bachelor's degree in molecular biology; experience with common molecular biology software, GCG package, DNA sequencing and assembly software.

Environmental Tech I 951088-R. *Environmental Safety.* Requirements: high school graduate or equivalent, some college preferred. Responsibilities include handling chemicals and infectious waste; familiarity with scientific/math calculations and background in chemistry or biology preferred.

Supervisor, Insurance Billing and Collection 960121-R. *Washington University Shared Billing and Collection Services.* Requirements: high school graduate or equivalent; five years related experience, preferably in a medical insurance setting with supervisory duties.

Statistical Data Analyst 960216-R. *Ophthalmology.* Requirements: master's degree in biostatistics, Ph.D. preferred; training and experience in SAS programming; experience with large longitudinal datasets from multicenter studies preferred.

Lab Tech-Research 960259-R. *Cardiology.* Requirements: bachelor's degree with biology/chemistry lab experience; familiarity with basic laboratory instrumentation.

Division Administrator 960291-R. *Internal Medicine.* Requirements: bachelor's degree preferred; academic background beneficial; understanding of extramural funding and research laboratory and clinical operations.

Dialysis Tech II 960311-R. *Kidney Center.* Requirements: high school graduate or equivalent; willingness to work Saturdays; experience as a medical assistant, nurse's aide or phlebotomist preferred. Duties include performing all activities of patient care and related functions.

Medical Transcriptionist 960319-R. *Gastroenterology.* Requirements: high school graduate or equivalent; proficiency with medical terminology; organizational and computer skills; ability to work with limited supervision; typing 65-70 wpm.

Manager, Financial Operations 960324-R. *Internal Medicine.* Requirements: bachelor's degree, master's degree in accounting, business or healthcare administration preferred; certified public accountant with supervisory experience preferred. Responsibilities include handling all departmental finances and strategic planning.

Coder II 960341-R. *Internal Medicine.* Requirements: high school graduate or equivalent, two years related experience preferred; proficiency in CPT and ICD-9 coding; knowledge of medical terminology.

Patient Account Coordinator 960388-R. *Washington University Shared Billing and Collection Services.* Requirements: bachelor's degree in business or healthcare management or equivalent; five or

more years experience in healthcare; knowledge of ICD-9 diagnosis coding and CPT procedure coding and current regulations concerning medical claims submission/reimbursement; ability to use a PC.

Medical Secretary II 960397-R. *Barnard Cancer Center.* Requirements: high school graduate or equivalent; organizational skills; ability to maintain confidentiality; high degree of accuracy; experience using medical terminology; typing 50-60 wpm.

Administrative Coordinator 960424-R. *Internal Medicine.* Requirements: high school graduate or equivalent, some college preferred; five years related experience; knowledge and use of FIS and word processing; spreadsheet experience desired.

Manager, Patient Accounts 960432-R. *Washington University Shared Billing and Collection Services.* Requirements: bachelor's degree in business or related field; three to five years supervisory experience in healthcare reimbursement environment; working knowledge of third-party procedures; ability to develop financial analysis and computerized reports.

User Support Technician 960436-R. *Medical Computing Services.* Requirements: associate's degree or two years technical training in a related field; three years industry experience or combination of training and experience; experience with DOS, Windows, macros and office support software packages; working knowledge of multi-platform networking, UNIX systems, electronic-mail, hardware, printers, modems and Internet utilities.

Medical Transcriptionist 960457-R. *Medical Informatics.* Requirements: high school graduate or equivalent; training in medical transcribing and related transcriptionist experience; proficiency with medical terminology; typing 65-70 wpm.

Pharmacy Technician 960477-R. *Barnard Cancer Center.* Requirements: two years pharmacy training or experience. Position is on an as-needed basis.

Medical Research Technician 960485-R. *Cell Biology.* Schedule: part time, 20 hours per week, 8 a.m.-noon. Requirements: bachelor's degree with two to four years lab experience. Responsibilities include tissue culture work, dissection, preparation of slides, general lab maintenance and inventory and ordering of supplies.

Professorship honors first provost — from page 1

development for the University's School of Art, have two daughters, Linnet, 16, and Rosalind, 14.

Early edited the 1993 "Lure and Loathing: Essays on Race, Identity and Ambivalence of Assimilation," which later was named the "Outstanding Book" on the subject of human rights in North America. Early also wrote the introduction to the book. The Gustavus Meyer Center for the Study of Human Rights in North America presented the award.

He also has edited "My Soul's High Song: The Collected Writings of Countee Cullen" and two volumes of "Speech and Power: The African-American Essay in Its Cultural Content."

In 1988, Early was among 10 American writers to receive a \$25,000 Whiting Prize. That same year, he was among six to earn a \$5,000 General Electric Foundation Award for Younger Writers. His work was

included in "The Best Essays of 1986," edited by Elizabeth Hardwick, and in several subsequent volumes in that series.

Early received a bachelor's degree from the University of Pennsylvania in 1974, a master's degree from Cornell University in 1980, and a doctorate from Cornell in 1982, all in English literature.

Kling, who began serving as a faculty member in the Department of Political Science in Arts and Sciences in 1946 and who twice served as dean of the Faculty of Arts and Sciences, is planning to attend the February reception.

In 1976, Kling was appointed the first provost of Washington University. A scholar of the governments and politics of Latin America, Kling earned a bachelor's degree in 1940, a master's degree in 1941, and a doctorate in 1949, all in political science and all from Washington University. — Deborah Parker

Campus Watch

The following incidents were reported to the University Police Department Nov. 27-Dec. 3. Readers with information that could assist the investigation of these incidents are urged to call 935-5555. This release is provided as a public service to promote safety awareness on campus.

Nov. 27

1:35 p.m. — A faculty member reported that a wallet, valued at \$60, was stolen from a purse that was in a drawer in a Wilson Hall office.

3 p.m. — A fraternity member reported that 75 compact discs, valued at \$1,150, were stolen from a fraternity room between Nov. 15 and 16.

9:27 p.m. — A graduate student reported that a purse, valued at \$76, was stolen from a Givens Hall art studio.

Nov. 28

12:26 p.m. — A student reported that a window on a vehicle was broken and a radar detector, valued at \$120, was stolen from the vehicle that was parked near the Millbrook Square apartments.

12:50 p.m. — A student reported that four BMW emblems, valued at \$200, were stolen during Thanksgiving break from a vehicle that was parked in a lot near the tennis courts.

11:23 p.m. — A night manager at Olin Library reported that the water faucets in a men's restroom were damaged.

Nov. 29

11:16 a.m. — A refrigerator and food cart were reported damaged in the Lopata Hall Gallery.

Nov. 30

8:44 a.m. — A street light behind the fraternity houses was reported damaged.

Dec. 1

7:31 a.m. — A construction worker reported that graffiti was spray-painted on some of the stone work at the new School of Law building construction site.

3 p.m. — A food-service employee reported that a coat, paycheck and keys, valued at \$204, were stolen from an office in the Wohl Student Center cafeteria.

Dec. 2

2:30 a.m. — A student reported finding money in the parking lot near Francis Field.

University Police also responded to one report of harassing telephone calls and two reports of false fire alarms.