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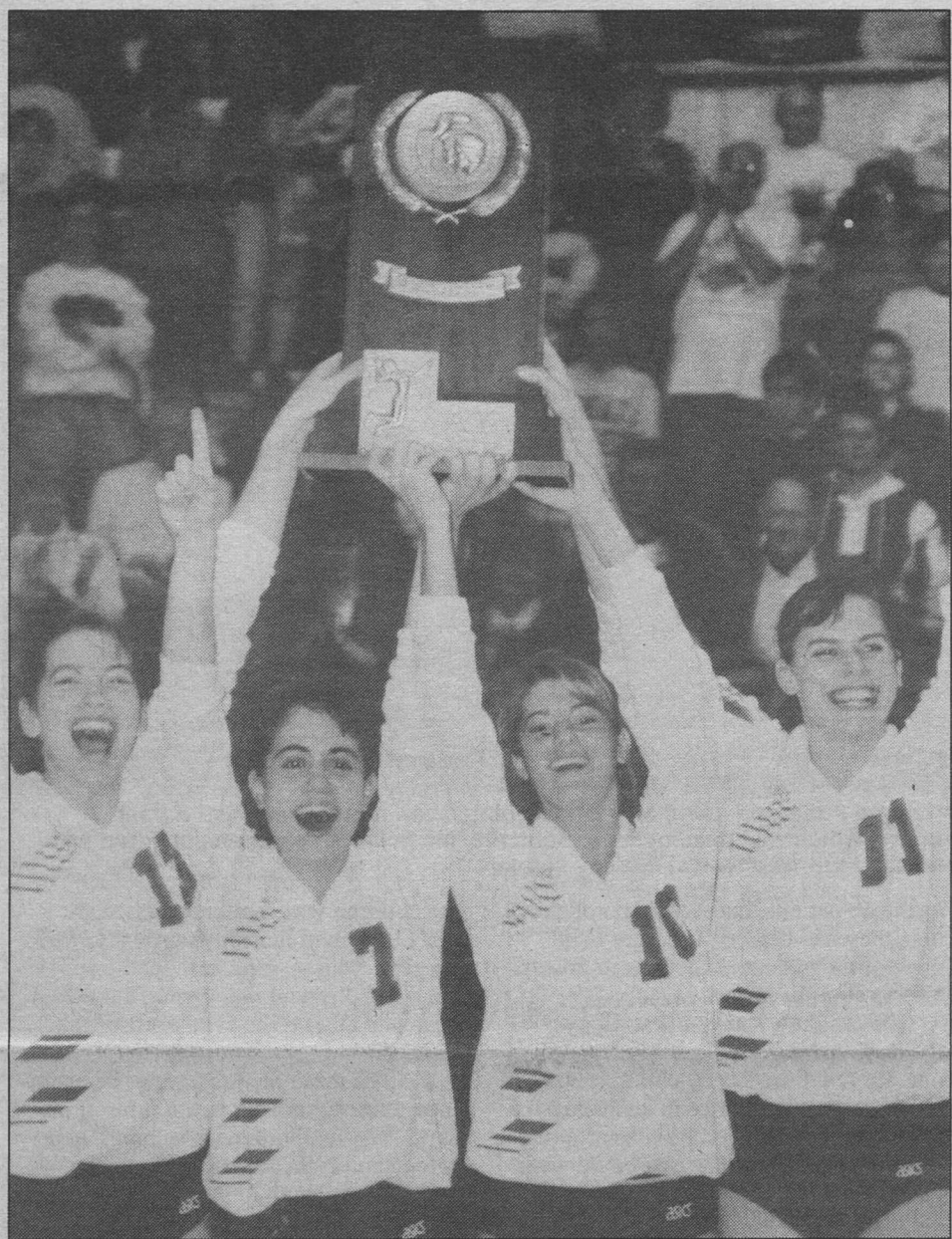
Washington University Record, December 2, 1993

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Senior members of the women's volleyball team rejoice after winning their third straight Division III title and fourth crown on Nov. 20. Pictured, from left: Christine Masel, Angela Suarez, Leslie Catlin and Amy Sullivan.

Three-peat!

Volleyball Bears win third NCAA division title

The Washington University women's volleyball team etched its name in the National Collegiate Athletic Association (NCAA) record books by winning its third straight Division III title and fourth crown in five years.

The top-ranked Bears (44-2) swept third-ranked Juniata College 15-9, 15-11, 15-11 on Nov. 20 — and in the process put an end to the Indians' 52-match home winning streak at the Kennedy Sports and Recreation Center in Huntingdon, Pa.

Just seven weeks ago, Juniata halted the Bears' NCAA all-division winning streak of 59 matches on the same court.

The championship was Washington's first outside the friendly confines of the Field House. Ironically, the Bears also own a current 52-match win streak at home.

"I have about 50 former players out there who would kill me for saying this," said Washington head coach Teri Clemens in the post-game celebration, "but at this precise moment in time, this is the sweetest one of all."

Leading the Bear charge was junior middle blocker Amy Albers, who was named the NCAA Division III Player of the Year on Nov. 18. Albers, a 6-foot offensive dynamo, banged out 25 kills for a .465 hitting percentage and added a match-high five blocks.

Albers pulled the Bears out of a 4-1 early deficit by pounding eight kills in game one. Fellow first-team All-America picks Amy Sullivan and Anne Quenette added to the first-game firepower with five and six kills, respectively.

Juniata again jumped to an early lead in game two, building a 7-3 cushion. They

extended the lead to 10-7, exciting the hometown crowd of 1,325.

Sullivan, the Division III career leader in service aces, silenced the cheers and reversed the flow of the match by ripping four service aces and adding two service winners in a rapid-fire six-serve span. Armed with a 13-10 lead, the Bears closed out the game with a pair of kills by Albers.

Washington parlayed that momentum into an 8-0 lead in game three. Juniata fought its way back into the match, however, as All-America outside hitter Nikki Firestone ripped 11 of her match-high 25 kills to bring the Indians within 13-11.

Two kills and a block by Albers brought the Bears to championship point and then All-America setter Leslie Catlin pushed a perfect set to Sullivan who delivered the 1,419th and last kill of her stellar career.

With the loss, Juniata (42-4) has now made 10 appearances in the final four without winning a title.

"Albers was the key," said Juniata coach Larry Bock, the Division III coach of the year. "We didn't do as good a job at controlling her as we should have. The Bears put on a shot-making clinic."

Albers, Sullivan and Catlin each were named to the six-player NCAA all-tournament team. The trio were joined by Firestone and Heather Blough of Juniata and Liang Gaik Khaw of Rochester Institute of Technology.

Sullivan and Quenette each added 12 kills for the Bears, while Catlin distributed 48 assists. Sullivan also drilled a match-high eight service aces.

The trip to Pennsylvania capped a season

Continued on page 5

Five faculty honored for developing innovative undergraduate courses

Washington University and the William T. Kemper Foundation recently honored five faculty members for their innovative work in developing four undergraduate courses.

The five recipients of the Kemper Faculty Grants to Improve Learning for 1994-95 were honored at a Nov. 22 luncheon, where they described their unique courses in social and behavioral sciences, physical and life sciences and quantitative science. The William T. Kemper Foundation awarded Washington University a five-year \$150,000 grant in 1991 to encourage and strengthen new educational opportunities for students.

"We are grateful to the William T. Kemper Foundation for this significant stimulus to the quality of learning at Washington University. It is a model of how a university and a funding agency can work together," said Chancellor William H. Danforth. "The world is changing very quickly. What is interesting and exciting today may be superseded by something else tomorrow. If we don't constantly improve, we'll fall behind. The Kemper foundation saw our vision and has supported us well."

The faculty recipients are: Willem Dickhoff, Ph.D., associate professor of

physics; Christopher King, lecturer in English and African and Afro-American studies; Steven Krantz, Ph.D., professor of mathematics; Catherine Rankovic, lecturer in African and Afro-American studies; and Michael Wyssession, Ph.D., assistant professor of earth and planetary sciences.

The grant recipients were selected after a University panel solicited course proposals from the faculty and departments. The grants are administered through the Teaching Center, which is directed by Robert McDowell, Ph.D., professor of mathematics.

"We received three times as many applications this time as the year before," McDowell said. "When we discussed the teaching awards with the Kemper foundation, it was my feeling that awards alone don't stimulate good teaching. Instead, I suggested the teachers submit proposals for courses that have lasting value and will remain in the curriculum. It has been a tremendous success."

David W. Kemper, chairman of Commerce Bancshares Inc. and a member of the Washington University Board of Trustees, had high praise for the five grant recipients and their contributions to the University's strong undergraduate pro-

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Higher education advocate John Simon dies

John Edward Simon, who played an enormous role in the successful development of the John M. Olin School of Business, died Nov. 22 of natural causes. He was 97.

Simon was a St. Louis financial adviser, business executive, philanthropist and national bridge champion. A longtime senior partner in the investment firm of I.M. Simon & Co. in St. Louis, he was also a distinguished citizen and leader in the St. Louis investment community for more than half a century.

Visitation and funeral services were held Nov. 24 in Graham Chapel, followed by private interment at New Mt. Sinai Cemetery Mausoleum.

Simon was a strong advocate of education who made substantial gifts to institutions of higher education, including Washington University, St. Louis University, Westminster College, Maryville College and Harvard University. He gave generously in service, benefaction and counsel to many St. Louis institutions, including Jewish Hospital and the Saint Louis Art Museum. John E. Simon Hall, the home of Washington University's business school, was named in his honor.

"John Simon was a man who used his proven success in business and keen awareness of community needs to enhance the quality of higher education and medicine," said Chancellor William H. Danforth. "St. Louis and Washington University are better places because of his efforts."

"Mr. Simon led the way with a wisdom, a quiet kindness and a generosity of spirit that were his special characteristics," Danforth added. "The respect he showed for people and his positive attitude toward

life were an inspiration to everyone who knew him."

Simon's wife, Adaline, shared her husband's interest in philanthropy and, with



John Edward Simon

him, established many funds benefiting medicine, education and the arts. She died in 1985 at age 84.

The Simons made their first major contribution to Washington University in 1965 when they endowed the John and Adaline Simon Chair in Medicine. They established the Simon Scholarship Fund in 1973 to support the education of pre-medical students at Washington University, and in succeeding years they generously contributed to the fund.

In 1981, Simon established the John E. Simon Chair in Finance, which was the first endowed professorship in Washington University's business school. In 1985, the

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In This Issue...

Surgical strides: New surgery may lower risk of spinal problems and shorten recovery time for children with cerebral palsy *Page 2*

A good role model: Students say Gerhild Scholz Williams' cheerful attitude makes the difficult seem possible *Page 3*

Up-and-coming: Hilltop, School of Medicine faculty receive promotions *Page 6*

Medical Update

New surgery for children with cerebral palsy offers quicker recovery

A new surgical procedure for children with cerebral palsy offers a quicker recovery period and may lower the risk of spinal deformities following surgery, say researchers at the School of Medicine.

Their findings, which are in the November 1993 issue of *Neurosurgery*, could make a surgical procedure called selective dorsal rhizotomy less traumatic for children with spastic cerebral palsy. This common form of the disease is characterized by an increase in muscle tone that makes arm and leg movements extremely difficult.

Currently, one of the most effective ways to reduce spasticity in children with cerebral palsy is selective dorsal rhizotomy. In this surgery, selected nerve roots that bring messages from the legs to the lower spinal cord are severed to decrease the stimulation to the spinal cord that causes spasticity.

According to head investigator T.S. Park, M.D., a professor of neurological surgery and pediatrics at the School of Medicine and neurosurgeon-in-chief at St. Louis Children's Hospital, this surgery has been effective but has some drawbacks. These drawbacks led Park and his colleagues to develop a variation of the procedure they think is safer and that allows children to recover more quickly. A shorter recovery period allows children to resume physical therapy sooner.

Children who have the standard selective dorsal rhizotomy are immobile for three to four weeks following the procedure and remain weak for another couple of months. In the study of Park's surgery, most of the children completely regained their motor strength in three weeks.

More than 100,000 children in the United States have cerebral palsy. These children usually have an awkward and difficult gait, poor balance and impaired control and coordination of movements. In their everyday life, these symptoms make it difficult to handle eating utensils, dress, groom, bathe, write, talk and swallow.

Although the exact cause of cerebral palsy is not known, researchers believe that most cases of the disease are due to an injury in the infant's brain sometime during pregnancy, at birth, or shortly after birth. Many children with cerebral palsy are born prematurely.

About 80 percent of children with this disease have spastic cerebral palsy. In addition to the problems the disease symptoms cause in their lives, many of these children will require orthopedic surgeries because of long-term effects of spasticity. Left untreated, spasticity can cause bone and joint deformities and other problems.

Leaving more support

In the more common selective dorsal rhizotomy procedure, surgeons remove



Physical therapist Patricia Gaffney helps Monique Patterson stand after undergoing a variation of selective dorsal rhizotomy surgery. Because of this new surgery, which was developed by School of Medicine researchers, children with cerebral palsy spend less time immobile and can resume physical therapy sooner.

bone from six vertebrae. This part of the vertebrae, called lamina, protects and helps stabilize the spine.

In children without cerebral palsy, removing five or six levels of lamina probably would not put them at risk of having back problems in later life. But children with cerebral palsy have weak trunks and if five or six laminae are removed, Park says, the risk of spinal deformity could be increased. "That is an important reason we tried to come up with a new operation," he says.

In Park's procedure, only two levels of lamina are removed, leaving more spinal support and lessening back pain after surgery.

Improving movement

From April 1991 to August 1992, 66 children with cerebral palsy underwent the new surgery at St. Louis Children's Hospital. Fifty patients had spasticity in their legs and 16 had spasticity in their arms and legs. Before the surgery, 21 patients could walk alone, 27 walked with assistance and 18 patients were unable to walk.

Within two months after surgery, all

of the 66 patients had better motor skills than they had before the surgery and none of the patients experienced postoperative complications.

The children who could walk by themselves recovered quickly from the operation. Of the 21, 20 children walked alone or with assistance in an average of 5.7 days. Within several weeks after the surgery, all of these patients could walk with some improvement in their gait patterns.

Of the children who needed assistance walking, 25 resumed standing alone or with help and 13 of the 25 resumed walking with assistance before the eighth postoperative day.

Risks involved

Both surgeries have a risk of affecting bladder control and many physicians thought the new surgery would have a higher risk of causing incontinence. "But we haven't found that it does," Park says. "We have done more than 100 of these surgeries, and we have not encountered any injury."

Park's study lays the groundwork for more research on the treatment options

for children with cerebral palsy. Park and others will be studying this type of surgery, drug therapy, orthopedic surgery and physical therapy to find the best way to treat the symptoms of this disease.

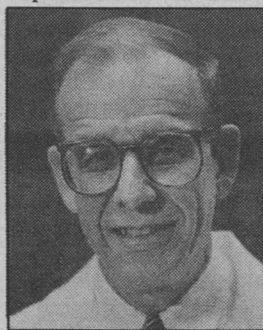
"All of these factors have to be examined more rigorously in the future," he says. "By involving neurosurgery, neurology and orthopedics, we plan to look at the role of each treatment option and find out the advantages and disadvantages of each one."

— Diane Duke

Grubb appointed to new neurological surgery chair

Robert L. Grubb Jr., M.D., a professor of neurological surgery and radiology (radiation sciences), has been appointed to the newly established Herbert Lourie Professorship in the Department of Neurological Surgery.

Grubb, an internationally respected expert on cerebrovascular physiology and disease, joined the School of Medicine in 1973 as an instructor in neurological surgery and became a professor of neurological surgery and radiology in 1981.



Robert L. Grubb Jr.

Shi H. Huang, M.D., a neurosurgeon and international business leader from Taiwan who is on the Board of Trustees of Washington University, established the chair in honor of his friend and colleague, Herbert Lourie, M.D. Lourie, a well-known

neurosurgeon in Syracuse, N.Y., died in 1987. Lourie and Huang became friends during their neurosurgery residencies at Washington University.

"The creation of this chair is particularly noteworthy because it reflects on three outstanding men," said William A. Peck, M.D., executive vice chancellor for medical affairs and dean of the School of Medicine. "Dr. Grubb, the appointee, is a leader in all aspects of neurological surgery — a first-rate clinician, teacher and researcher. Washington University is most fortunate to have faculty members of his superior caliber. Dr. Lourie, for whom the chair is named, was a major positive force in academic neurological surgery — a superb mentor and role model. Dr. Shi Huang, who created the chair, is a fine neurological surgeon who has, in a second career, become a world-class business leader."

Grubb is best known for his pioneering work in the use of positron emission tomography (PET) to assess the pathophysiology of subarachnoid hemorrhage and cerebrovascular occlusive disease.

The author of more than 100 scientific publications, Grubb has been productive in the investigation of a number of issues related to the treatment of ruptured intracranial aneurysms, cerebral vasospasm, surgery of the internal carotid artery and brain injury.

Grubb was awarded the Grass Prize for Research from the Society of Neurological Surgeons in 1990. He is a director of the American Board of Neurological Surgery and a member of the editorial board of the *Journal of Neurosurgery*.

Grubb received his bachelor's degree from the University of North Carolina in 1961 and his medical degree from the University of North Carolina School of Medicine in 1965. After completing an internship and assistant residency in general surgery, he served in Vietnam as a member of a U.S. Public Health System Surgical Team and as a research fellow at the National Institutes of Health. Before joining the faculty at the School of Medicine, Grubb completed a neurosurgery residency at Barnes Hospital.

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Washington
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Williams enjoys challenges of dual roles

Gerhild Scholz Williams, Ph.D., has successfully combined two careers.

As professor of German and comparative literature on the Faculty of Arts and Sciences, Williams finished her term as chair of the Department of Germanic Languages and Literatures in May 1992. The next month, she took a year's sabbatical to her native Germany as a Fulbright Senior Scholar.

As associate provost, Williams strives to enhance Washington University's educational mission. She serves on several University committees and is chair of the Classroom Renovation Committee. Earlier this year after four years and a \$2 million budget for expenditures, the committee completed its goal of improving the condition of Hilltop Campus classrooms.

To keep her dual roles from intermingling, she divides her workweek between two offices: the Provost's Office and Ridgley Hall, home of the German department.

"I like the two sides of what I do," says Williams. "I enjoy the cooperative ventures in which I am engaged with my colleagues and our students, whether on a committee or in my department. But, as I did during my leave in Germany, I also appreciate stepping back and thinking, reading and reflecting on things of centuries back and how these might relate to what we do and who we are today."

As a fellow at the Institute for European Cultural History at Augsburg, she completed a manuscript on the discourses of magic and witchcraft in early modern France and Germany. She also presented several lectures, including a talk at the American Institute of the University of Mainz in Germany. The institute held a series of events to commemorate the 400th anniversary of the Salem Witch Trials (1692) in Massachusetts.

"The duality of my position continues not only to be a challenge but also an absolute energy booster for me," says Williams, a jogging, biking and hiking enthusiast. "The excitement of being involved in an enterprise that brings together colleagues from different disciplines, whether that means working with colleagues in administration or the German department, or teaching, writing, organizing a conference, or listening and talking with students — the variety of activities energizes me."

One drawback? Williams says she does not have enough time for one of her favorite pastimes, cultivating wildflowers in her garden.

Lynne Tatlock, Ph.D., associate professor and chair of German, says Williams has seemingly unlimited energy. Williams' vigor carries over into her intellectual work as well, says Tatlock.

Williams came to Washington University in 1975 as an assistant professor of German and comparative literature, less than 20 years after her family fled East Germany to Berlin in 1956. Since then, she has served in a variety of academic posts, including a term as director of the Linguistic Studies Program. She served as chair of the German department for five years, three of which overlapped her roles as associate provost and as chair of the Medieval and Renaissance Committee. In the German department, Williams, the author of numerous articles and studies, chairs the Undergraduate Committee and teaches a graduate seminar on science and knowledge in early modern German literature, with special emphasis on the role played by magic in the construction of early modern mentalities.

"She's an incredible teacher," says Angela Gulielmetti, a doctoral candidate in German literature and a student in Williams' graduate seminar. "I sit there and analyze how she conducts the class. She does it so beautifully. In literature there is no right answer. Sometimes it takes awhile to zero in on what's important."

"She has a unique way of drawing the answers out of us — answers that we didn't even know we had. She always makes you feel good about yourself and she treats you like an equal," says Gulielmetti, who is taking her third class with Williams and hopes to teach German literature at a university. Gulielmetti also describes Williams' depth of knowledge as "amazing. She is so well-read. Classes with her are fun. She's really energetic. I'd like to someday be able to teach like Gerhild."

Gulielmetti says Williams has "a wonderful rapport with students. Students (in her classes) just want to perform for her because they love her so much."

Tatlock agrees. Williams is very supportive of her students and colleagues, she says. "Students frequently remark about how cheerful and positive she is. She is a good role model and she makes what is difficult appear possible. She encourages you to focus on the present goal and not so much on long-term things that are impossible to control."

She's very good at putting things in perspective — not dwelling on loss or failure."

Williams specializes in early modern German and French literature. She has taught undergraduate and graduate courses on a broad spectrum of German language, literature and culture. She holds bachelor's, master's and doctoral degrees in comparative literature/medieval studies from the University of Washington in Seattle.



"The duality of my position continues not only to be a challenge but also an absolute energy booster for me."

As part of her recent work, Williams has been interested in the relationship between magic and witchcraft and juridical and political power in early modern European literature. Her article soon to be published in *Gender in Early Modern German Literature* represents a first articulation of the topic explored in greater depth in her book manuscript. The article is titled "On Finding Words: Witchcraft and the Discourses of Discovery and Dissidence." Her 1976 book, *Visions of Death*, dealt with death in early medieval texts, narrative theory and historiography.

"Viewing literature in the context of social and cultural history and the practices of the past opens texts to broad, inclusive, comprehensive inquiry," says Williams, who was a visiting professor at the University of Lausanne in Switzerland and at the University of Tübingen in West Germany. "The object is not so much to make the past less strange, but to let it speak to us in its own voice, in the texts that we have before us."

Among her colleagues, Williams, a member of the Modern Language Association's Executive Committee on German Literature before 1700, is "very highly regarded," says Stephen Jaeger, professor of Germanics and comparative literature at the University of Washington in Seattle. He added that Williams has done a superb job of organizing conferences that attract scholars from America and abroad. Together with Stephan Schindler, Ph.D., assistant professor of German at Washington University, she is preparing the 12th St. Louis Symposium on Science, Knowledge and Literature in the Early Modern Period, sponsored by the

German department and the German Research Association in Bonn. The conference will be held on April 8-10, 1994, at the University's West Campus.

Jaeger noted that Williams has had excellent success in "educating graduate students and placing them in jobs. She had a very fine term as chair." Williams also helps students find employment during their tenure at Washington. A case in point is Troy Wiwczarowski, a doctoral candidate in German literature. Wiwczarowski recalls how Williams helped him find a part-time job in the Language Lab within 24 hours after he met her.

"She's done that for several other students too," says Wiwczarowski, also a student in Williams' science and knowledge seminar.

"I've always felt that the door was open to her office, whether I needed her advice or needed to give her something to read." Williams is a member of his dissertation committee. Openness is important, he says, and shows Williams has "a lot of respect for others." Despite her hectic schedule, Williams remains accessible to students, he says. "With all the stress of juggling both of those jobs, she never lets you know it."

Along with her colleagues, she has attracted talented students to the department, training them for their future role as teachers, researchers and colleagues in the Germanistics field. Ever mindful of changing perspectives in the field of German studies, Williams introduced a "German as a Language of Business" course into the department's undergraduate curriculum.

Williams, who is vice president of the Society for German Renaissance and Baroque Literature and will serve as president in 1994-95, was appointed associate provost in 1989. A member of the Committee on Underrepresented Faculty, Williams says she believes that being a woman in the associate provost position has the added dimension of signaling to women colleagues that "this kind of split appointment can be held successfully and that it also can be very satisfactory for one's career development. One does not have to give up scholarship. One does not have to give up teaching if one doesn't want to, but one could. It would be a career choice that could lead to others."

Williams said she counts among her first accomplishments as associate provost the successful work of the Classroom Renovation Committee and her work with Martin H. Israel, Ph.D., dean of the Faculty of Arts and

Sciences, in establishing the International Writers Center at Washington. Reflecting on her work with the Classroom Renovation Committee, Williams says "Universities should provide comfortable spaces where students and faculty interact with ease — spaces that are conducive to learning, to the exchange of ideas, to thinking and to trying out new methods of teaching and research."

Williams also chairs the Common Spaces Committee, the Committee on the Visual Arts, and co-chairs, with Dennis Martin, assistant provost and director of financial aid, the committee that is preparing for the 1994 visit of the North Central Accreditation Committee.

She enjoys working with her colleagues on various administrative projects. "I have found the opportunity of working with groups and individuals from other schools within the University exciting and satisfying."

This University-wide perspective was what she enjoyed most about her membership on the Committee to Prepare for the 21st Century. In 1992, the committee issued a report now serving as a guide in planning the University's future. Williams now chairs the group discussing how to increase cooperation among fine arts, architecture, art history and the Gallery of Art. This cooperation would enhance teaching and learning for all students and faculty in the visual arts. Provost Edward S. Macias, Ph.D., says Williams "brings an important academic perspective to our administration, with her disciplinary interests in the humanities and her experience in working with faculty in areas of common interest. For example, her insight and creativity were critical to the success of the Committee to Prepare for the 21st Century."

James E. McLeod, dean of the College of Arts and Sciences, who has known Williams since they began teaching in the German department 18 years ago, says her ability to work with various groups is one of her greatest strengths. "She works smoothly across our perceived boundaries. She's at ease with students, colleagues, administrators and staff."

Williams notes that her administrative and academic responsibilities "demand an ability to organize, persevere, think creatively, work with people of diverging opinions and never lose one's sense of humor. These traits are needed no matter where one works at the University."

— Carolyn Sanford

Calendar

Dec. 2-11



Exhibitions

"Recent Acquisitions: Rare Books and Manuscripts Added to Special Collections." Through December. Olin Library, Special Collections, Level Five. Hours: 8:30 a.m.-5 p.m. weekdays. 935-5495.

"On Sabbatical: School of Fine Arts Faculty Work." Through Jan. 3. The exhibit features mixed media installations by Joan Hall, paintings of archaeological sites in Oaxaca, Mexico by William Kohn, and selections from a collaborative book project and drawings begun during a one-month stay in Florence, Italy by Jeffrey Pike. Gallery of Art, upper gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. 935-5490.

Graduate Exhibition. "Work by December Graduates." Dec. 10-19. Paintings by Berthold Boone and sculptures by Xiomara Lopez and Aaron B. Whalen. Bixby Gallery, Bixby Hall. (Reception: 5-7 p.m. Friday, Dec. 10.) 935-4643.

"Into the Light: Gay, Lesbian and Bisexual Student Show." Through Dec. 15. Bixby Gallery, Bixby Hall. Hours: 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends. 935-4643.



Films

Thursday, Dec. 2

7 and 9 p.m. Filmboard Foreign Series. "Pather Panchavi," in Hindi with English subtitles. Room 100 Brown Hall. Cost: \$3. **For 24-hour Filmboard hotline, call 935-5983.**

Friday, Dec. 3

7 and 9:30 p.m. Filmboard Feature Series. "A Christmas Story." (Also Dec. 4, same times, and Dec. 5 at 7 p.m.) Room 100 Brown Hall. Cost: \$3.

Midnight. Filmboard Midnight Series. "Porky's." (Also Dec. 4, same time, and Dec. 5 at 9:30 p.m.) Room 100 Brown Hall. Cost: \$3.

Tuesday, Dec. 7

7 p.m. Chinese Film Series. "Red Sorghum," with English subtitles. Room 219 South Ridgley Hall.



Lectures

Thursday, Dec. 2

Noon. Genetics seminar. "Experimental Approaches to the Study of Aneuploidy," Roger Reeves, assoc. prof., Johns Hopkins U., Baltimore. Room 816 McDonnell Medical Sciences Bldg.

Noon. Pediatrics seminar. "The Rat Liver Canalicular Bile Acid Transport Protein Is Also an Ecto-ATPase," C. Jeffrey Sippel, asst. prof., Dept. of Pediatrics. Third Floor Aud., St. Louis Children's Hospital.

2-4 p.m. First Annual "Roper Day" program. Seminar in general thoracic surgery to honor Charles L. Roper, prof. emeritus, Division of Cardiothoracic Surgery. Speakers will include G. Alexander Patterson, R. Sudhir Sundaresan, Stuart S. Sagel, Carolyn M. Dresler, Joel D. Cooper. (Program continues at 4:30 p.m. with

thoracic surgery lecture.) West Pavilion Aud., Barnes Hospital. 362-6185.

4 p.m. Assembly Series lecture. "Blacks and Jews: Conflicts and Coalescence," Cornel West, prof. of religion and director, Afro-American Studies Program, Princeton U., and author of eight books, including *Race Matters*. Graham Chapel. The lecture keynotes the "Conference on Blacks and Jews: An American Historical Perspective." (Conference continues through Dec. 5.) Sponsored by African and Afro-American Studies Program, American Culture Studies Institute, Jewish and Near Eastern Studies and departments of History, Education and Political Science. To register for conference, call 935-5690.

4 p.m. Biology and biomedical sciences student-organized seminar. "Changes in the Actin Cytoskeleton During the *Drosophila* Midblastula Transition," Erik Wieschaus, prof., Dept. of Molecular Biology, Princeton U., Princeton, N.J. Erlanger Aud., McDonnell Medical Sciences Bldg.

4 p.m. Chemistry seminar. "Chemical Methods for the Preparation of Large Chemical Libraries of Compounds," Michael C. Pirrung, assoc. prof. of chemistry, Duke U., Durham, N.C. Room 311 McMillen Lab. (Coffee: 3:40 p.m. outside Room 311.)

4 p.m. Earth and planetary sciences colloquium. "Cosmogenic Isotopes and Their Application to Land Form Evolution: A Test Case — The Grand Canyon Debris Flows," Marc Caffee, physicist, Center for Accelerator Mass Spectrometry, Lawrence Livermore National Laboratories, U. of California, Livermore. Room 162 McDonnell Hall.

4:15 p.m. Philosophy colloquium. "Quine and Wittgenstein: The Odd Couple," Burton Dreben, prof. of philosophy, Harvard U. and Boston U., Boston. Hurst Lounge, Room 201 Duncker Hall.

4:30 p.m. First annual Charles L. Roper thoracic surgery lecture. "Surgery of the Esophagus, Then and Now," Earle W. Wilkins, clinical prof. of surgery emeritus, Harvard Medical School, Boston. West Pavilion Aud., Barnes Hospital.

4:30 p.m. Math colloquium. "Vector Bundles on Projective Spaces," Mohan Kumar, prof. of mathematics. Room 199 Cupples I Hall. (Tea: 4 p.m., Room 200.)

5 p.m. Post-Assembly Series lecture discussion. "Food for Thought: Post-Assembly Series Refreshments and Dialogue," a brown bag discussion following the lecture "Blacks and Jews: Conflicts and Coalescence." Sponsored by Dignity of Difference Project. Lambert Lounge, Rooms 303 and 304 Mallinckrodt Center. 935-4062.

8 p.m. Art lecture. "Testimonies in the Valley," William Kohn, painter and prof., School of Fine Arts. Steinberg Hall Aud.

Friday, Dec. 3

9:15 a.m. Pediatric Grand Rounds. "Family/Genetic Studies of Affective Disorders In Children," Richard D. Todd, prof. of psychiatry (child) and assoc. prof. of genetics. Clopton Aud., 4950 Children's Place.

Noon. Cell biology and physiology seminar. "Yeast Mitosis: *In Vivo* and *In Vitro*," Douglas Koshland, prof., Dept. of Embryology, Carnegie Institute, Baltimore. Room 423 McDonnell Medical Sciences Bldg.

Noon. Environmental seminar. "The Occurrence of Agricultural Herbicides in Missouri River Water and Their Impact on Water Supply," Terry L. Gloriod, St. Louis County Water Co. Co-sponsored by School of Engineering and Applied Science and the Electric Power Research Institute. Room 216 Urbauer Hall.

1 p.m. Solid-state engineering and applied physics seminar. "Fingerprinting Magnetic-recording Media," E. Glavinis, electrical engineering graduate student. Room 305 Bryan Hall.

4 p.m. Anatomy and neurobiology seminar. "Simian Immunodeficiency Virus (SIV) in Wild Living Ethiopian Green Monkeys: A Primatological Approach," Jane Phillips-Conroy, assoc. prof., Dept. of Anatomy and Neurobiology. Room 928 McDonnell Medical Sciences Bldg.

6 and 8:30 p.m. WU Association Travel Lecture Series. "Amazing Australia," Grant

Foster, director-camera operator of award-winning documentaries and travel films. Graham Chapel. Cost: \$4.50 at the door.

Saturday, Dec. 4

9 a.m. Saturday morning neural science seminar — ION Channels: Update on Molecular and Physiological Characteristics. "Molecular Physiology of Na-K ATPase," Robert Mercer, asst. prof., Dept. of Cell Biology and Physiology. Erlanger Aud., McDonnell Medical Sciences Bldg.

Monday, Dec. 6

Noon. Biochemistry and molecular biophysics seminar. "A Role for Sialyl Lewis-X/A Glycoconjugates in Capillary Blood Vessel Formation," Joyce Bischoff, asst. prof., Dept. of Surgery, Harvard Children's Hospital, Boston. Room 2918 South Bldg.

Noon. Molecular biology and pharmacology seminar. "Heparin-Binding EGF-like Growth Factor: Modulation of Bioactivity by Structural Elements," Michael Klagsbrun, assoc. prof., Dept. of Surgery and Dept. of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, Boston. Room 3907 South Bldg.

Noon. Neurology and neurological surgery research seminar. "The Role of Nitric Oxide in Inflammatory Demyelination," Anne Cross, asst. prof., Dept. of Neurology and Neurological Surgery. Schwarz Aud., First Floor Maternity Bldg.

4 p.m. Biochemistry and molecular biophysics seminar. "Maintaining Integrity in Science Requires Vigilance Not Vigilantes," Howard K. Schachman, prof., Dept. of Molecular and Cell Biology, U. of California, Berkeley. Cori Aud., 4565 McKinley Ave.

4 p.m. Biology seminar. "Studies of Transposon Evolution in Grasses," Amy Mac Rae, asst. prof. of biology, U. of Missouri-St. Louis. Room 322 Rebstock Hall.

4 p.m. Immunology seminar. "Signal Transduction by the B Cell Antigen Receptor," Anthony L. DeFranco, assoc. prof., Dept. of Microbiology and Immunology, U. of California, San Francisco. Third Floor Aud., St. Louis Children's Hospital. 362-8722.

Tuesday, Dec. 7

12:10 p.m. Art lecture. "Sabbatical Works," Joan Hall, assoc. prof., School of Fine Arts and printmaker artist, talks about her exhibit featuring mixed media installations. Gallery of Art, upper gallery, Steinberg Hall.

4 p.m. Dept. of Biochemistry and Molecular Biophysics 1993 Carl and Gerty Cori lecture. "Formation of Active Enzyme From Defective, Incomplete and Rearranged Polypeptide Chains: Aspartate Transcarbamylase," Howard K. Schachman, prof., Dept. of Molecular and Cell Biology, U. of California, Berkeley. Moore Aud., 4580 Scott Ave.

4 p.m. Molecular microbiology seminar. "Membrane Cofactor Protein (MCP; CD46) of the Complement System Is the Measles Virus Receptor," John Atkinson, head, Dept. of Internal Medicine. Room 775 McDonnell Medical Sciences Bldg. (Refreshments: 3:45 p.m.)

Wednesday, Dec. 8

7:30 a.m. Obstetrics and Gynecology Grand Rounds. "Pain Management for Obstetric and Gynecologic Patients," Donald R. Jasinski, chief, Center for Chemical Dependence, Frances Scott Key Medical Center and assoc. prof., Dept. of Anesthesiology, Johns Hopkins U. School of Medicine, Baltimore. Clopton Aud., 4950 Children's Place.

1 p.m. Cell biology and physiology special seminar. "Assembly of Glomerular Basement Membrane During Kidney Development," Dale R. Abrahamson, prof. of cell biology and anatomy, U. of Alabama, Birmingham. Jewish Hospital Conference Room 4202-04, Steinberg Bldg.

1 p.m. Graduate student thesis defense. "Inherited Homozygous Complement C3 Deficiency: A Molecular Study of Two Kindreds," Lori Singer, graduate student. Room 816 McDonnell Medical Sciences Bldg.

3:30 p.m. Division of Biostatistics seminar. "Statistical Methods for the Determination of Genotype x Environment Interaction," John Blangero, assoc. scientist, Southwest Foundation for Biomedical Research,

San Antonio. Biostatistics Library, 706 S. Euclid Ave.

4 p.m. Physics colloquium. "The Highest Energy Cosmic Rays: Microscopic Particles With Macroscopic Energies," James Cronin, prof. of physics, U. of Chicago. Room 204 Crow Hall. (Coffee: 3:30 p.m., Room 245 Compton Hall.)

Thursday, Dec. 9

9:30 a.m. Graduate student thesis defense. "Molecular Analysis of Actin Capping Protein Function in *C. elegans*," James Anthony Waddle, graduate student. Room 816 McDonnell Medical Sciences Bldg.

10 a.m. Graduate student thesis defense. "Dopamine D2-like Receptors: Pharmacological and Functional Characterization," Lei Tang, graduate student. Room 521 Medical Library.

Noon. Pediatrics research seminar. "Mucosal Permeability in Necrotizing Enterocolitis," Jacob C. Langer, assoc. prof., Dept. of Pediatrics and assoc. prof., Dept. of Surgery. Third Floor Aud., St. Louis Children's Hospital.

Noon. Genetics seminar. "Mutations Associated With Autoimmune Disease Regulate Antigen-induced Death of Mature Lymphocytes," John Russell, assoc. prof., Dept. of Molecular Biology and Pharmacology. Room 816 McDonnell Medical Sciences Bldg.

12:10 p.m. Art lecture. "Sabbatical Works," Jeffrey Pike, assoc. prof. and illustrator, School of Fine Arts, talks about his works. Gallery of Art, upper gallery, Steinberg Hall.

4 p.m. Biology and biomedical sciences student-organized seminar. "Molecules and Mechanisms That Control the Generation of Neural Specificity: A Genetic Approach to *Drosophila*," Corey S. Goodman, prof., Howard Hughes Medical Institute, Dept. of Molecular and Cell Biology. Erlanger Aud., McDonnell Medical Sciences Bldg.

4 p.m. Chemistry seminar. "Metalloporphyrin Chemistry," Kenneth S. Suslick, prof. of chemistry, U. of Illinois, Urbana/Champaign. Room 311 McMillen Lab. (Coffee: 3:40 p.m. outside Room 311.)

4 p.m. Social thought and analysis colloquium. "Normative Theory, Models, Empiricism and Experiments," Joe Oppenheimer, prof., Dept. of Government and Politics, U. of Maryland, College Park. Room 149 McMillan Hall.

4:30 p.m. Math colloquium. "Foliations and Knots," Lawrence Conlon, prof., Dept. of Mathematics. Room 199 Cupples I Hall. (Tea: 4 p.m., Room 200.)

Friday, Dec. 10

9:15 a.m. Pediatric Grand Rounds. "Through the Looking Glass: Laparoscopic and Thoracoscopic Surgery in Children," Jacob C. Langer, assoc. prof., Dept. of Pediatrics and assoc. prof., Dept. of Surgery. Clopton Aud., 4950 Children's Place.

Noon. Cell biology and physiology seminar. "Leishmania and Mycobacterium: Tools for Dissection of the Endosomal Pathway," David G. Russell, assoc. prof., Dept. of Molecular Microbiology. Room 423 McDonnell Medical Sciences Bldg.

Noon. Environmental seminar. "'93 Flood: Levees vs. Wetlands," Gary Dyhouse. Co-sponsored by the School of Engineering and

Calendar guidelines

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

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

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

the Electric Power Research Institute. Room 216 Urbauer Hall.

1 p.m. Solid-state engineering and applied physics seminar. "Cross-linked Acrylic Polymers for Integrated Optical Waveguide Applications," K. Nakagawa, electrical engineering graduate student. Room 305 Bryan Hall.

4 p.m. Anatomy and neurobiology seminar. "The Terminator's Hand, Part II: Muscular Production of Individuated Finger Movements," Marc H. Schieber, asst. prof., Dept. of Anatomy and Neurobiology. Room 928 McDonnell Medical Sciences Bldg.

Saturday, Dec. 11

9 a.m. Saturday morning neural science seminar — ION Channels: Update on Molecular and Physiological Characteristics. "Glutamate and Receptor Plasticity," Charles F. Zorumski, Gregory C. Couch Associate Professor, Dept. of Psychiatry and assoc. prof., Dept. of Anatomy and Neurobiology. Erlanger Aud., McDonnell Medical Sciences Bldg.



Music

Saturday, Dec. 4

8 p.m. Chamber Choir of WU concert. Program, directed by John Stewart, includes B. Britten's "Ceremony of Carols" and J. Brahms' "Alto Rhapsody," and features soloist Denise Stookesberry, graduate student, Dept. of Music. Graham Chapel.

Sunday, Dec. 5

7:30 p.m. University City Symphony Orchestra performance. Program, directed by William Schatzkamer, features L. Bernstein's "Overture to Candide," P.

Tchaikovsky's "Concerto for Violin in D Major" and works of A. Dvorak and G. Enesco. Violinist Juliet Kurtzman is the featured soloist. Graham Chapel.

Monday, Dec. 6

Noon. Dept. of Music and Program for Humanities in Medicine presentation. "Midday Musicale at Washington University Medical School," featuring "Mozart IV," including "La clemenza di Tito," "The Impresario" and "Cosi fan tutte." The program is directed by Jolly Stewart. Moore Aud., 4580 Scott Ave.

8 p.m. Vocal jazz ensemble performance. Program, directed by Fred Binkholder, features the music of D. Ellington and includes "Come Sunday," from his sacred choral work "In the Beginning God." Steinberg Hall Aud.

Tuesday, Dec. 7

8 p.m. Dept. of Music jazz band concert. Directed by Chris Becker. Graham Chapel.

Friday, Dec. 10

8 p.m. WU Opera presentation. "Mozart IV," featuring "La clemenza di Tito," "The Impresario" and "Cosi fan tutte." The program is directed by Jolly Stewart. (Also Dec. 11, same time.) Umrath Hall Lounge.



Performances

Thursday, Dec. 2

8 p.m. Performing Arts Dept. Production. "Blue Moon Rising," an original play written by James Nicholson, playwright-in-residence, and directed by Melanie Dreyer, lecturer in performing arts and founder, ShatterMask, a local theater company. (Also

director of the Tyson Research Center); China and Yangtze River (with Laurence Schneider, Ph.D., professor of Chinese history); Italy (with William E. Wallace, Ph.D., assistant professor of art history); Voyage to the Land of the Midnight Sun, which follows the Norwegian coast (with Robert D. Tucker, Ph.D., assistant professor of earth and planetary sciences); Mongol and Manchu Dynasties (with Robert L. Canfield, Ph.D., professor of anthropology, who will share his insights, knowledge and experiences of lands from Beijing to Ulan Bator, Mongolia, to Siberia); Western European Passage, an opportunity to explore the beauty of England, Holland, Spain, France and Italy (with Murray L. Weidenbaum, Ph.D., Edward Mallinckrodt Distinguished University Professor of Economics); and "Sacred Stars of the Ancient World" (with Dinos Michaelides, FAIA, dean emeritus of the School of Architecture), which will explore fascinating ancient ports such as Odessa, Haifa, Cyprus, Malta and Barcelona.

In addition, "D-Day Remembered," which marks the 50th anniversary of that event, includes trips to London, Torquay, Portsmouth, Caen and Paris with former Sen. Thomas F. Eagleton, LL.B., University Professor of Public Affairs and professor of political science.

Trips to other destinations also are planned.

For more information about the program in general or a particular trip, call Julie Kohn or Dan Gifford at 935-5208.

Volleyball — from page 1

in which the Bears played 34 of 46 matches on the road. Anticipating that the final four would not be held in St. Louis for a fifth consecutive year, Clemens put together a schedule that brought the Bears to several of the most likely locales for the national final.

The roll of the dice proved successful as the Red and Green had played already on the home court of each of the other three semifinalists.

"This may have been the most competitive group I've ever had the privilege to coach," said Clemens. "No challenge was too much to overcome, no sacrifice too great to ask. They truly deserve the label of champions."

Dec. 3 and 4, same time, and Dec. 5 at 2 p.m.) Cost: \$7 for the general public; \$5 for senior citizens, WU faculty, staff and students. Drama Studio, Room 208 Mallinckrodt Center. 935-6543.



Miscellany

Thursday, Dec. 2

7:30 p.m. 1993 International AIDS Conference. "Life After Berlin," sponsored by St. Louis Effort for AIDS, AIDS Clinical Trials Unit, WU School of Medicine, and AIDS Vaccine Evaluation Unit, St. Louis U. School of Medicine. Hyatt Regency Hotel, St. Louis Union Station. 367-2382.

Lopata Classic celebrating 10th anniversary

Just a dream in 1983, the Washington University Lopata Classic — the nation's most prestigious NCAA Division III basketball tournament — is celebrating its 10th anniversary this Friday and Saturday, Dec. 3-4, at the Washington Field House.

Conceived by Bears' Coach Mark Edwards, the Lopata Classic, a.k.a. the Brainball Classic, is made possible by an endowed gift from Stanley Lopata, a Washington University alumnus and emeritus trustee, and his wife, Lucy. The purpose of the annual tourney is to bring together Division III schools, similar in academic nature to Washington University, for a first-class basketball event. The first Lopata Classic field included the California Institute of Technology, Massachusetts Institute of Technology, Johns Hopkins University and Washington. Other participants have included Swarthmore College, Pomona-Pitzer colleges, Trinity University and Whittier College.

This year's 10th anniversary entrants

Friday, Dec. 3

7:30 a.m. Office of Continuing Medical Education seminar. "Women's Healthcare Issues '93." Ritz-Carlton Hotel, St. Louis. To register, call 362-6893.

Saturday, Dec. 4

7 a.m. Office of Continuing Medical Education seminar. "Current Management of Hepatic and Biliary Disease." Ritz-Carlton Hotel, St. Louis. To register, call 362-6893.

Friday, Dec. 10

Noon. Women's Club of WU mini-luncheon and program. "Herbs: Legends and Lore," Audrey Claus, St. Louis Herb Society. Cost: \$5 for members and guests. Register by Dec. 7. Women's Bldg. Lounge. 862-6615.

Saturday, Dec. 11

8 a.m. Office of Continuing Medical Education seminar. "Contemporary Evaluation and Management of Left Ventricular Dysfunction." Ritz-Carlton Hotel, St. Louis. To register, call 362-6893.

Sports

Lopata Classic celebrating 10th anniversary

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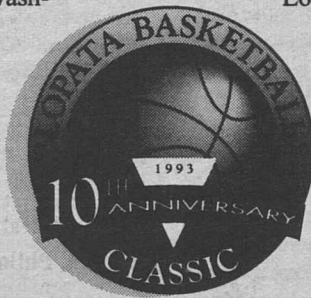
are Babson College from Babson Park, Mass., Carleton College from Northfield, Minn. and Claremont-Mudd-Scripps colleges from Claremont, Calif. Claremont-Mudd, making its fourth

Lopata appearance, plays

Carleton in the first semifinal at 6 p.m. Friday with the Bears battling Babson, a Lopata Classic newcomer, at 8 p.m. The consolation and championship games are played on Saturday at 6 and 8 p.m., respectively.

Washington captured the first five Lopata Classic titles, but has failed to win the first-place trophy since its last championship in 1988. Carleton and Claremont-Mudd captured respective Lopata titles in 1989 and 1990.

The first 800 fans with a Washington University ID attending Friday night's games will receive a free Lopata Classic T-shirt, which features the 10th anniversary logo. Other promotions are planned throughout the week and during the tournament, including a halftime shootout on Saturday.



Men's Basketball

Last Week: Washington 85, La Verne 75; DePauw 76, Washington 68; Millikin 108, Washington 88; Rhodes 79, Washington 78 (OT)

This Week: at Webster, 7:30 p.m. Tuesday, Nov. 30, Webster Groves, Mo.; Washington University Lopata Classic vs. Babson, 8 p.m. Friday, Dec. 3, Field House; Washington University Lopata Classic vs. Carleton or Claremont-Mudd, 6 or 8 p.m. Saturday, Dec. 4, Field House.

Season Record: 1-3

After opening the season with four top NCAA Division III opponents, the Bears face another strong challenge this weekend with the 10th Annual Lopata Classic. Washington, winning one of its first four games, plays the second semifinal on Friday versus Babson College from Babson Park, Mass.

Women's Basketball

Last Week: Washington 53, Blackburn 44; Washington 70, Redlands 47; Washington 57, Wheaton 52

This Week: at Illinois College, 7 p.m. Tuesday, Nov. 30, Jacksonville, Ill.; at Millikin, 3 p.m. Saturday, Dec. 4, Decatur, Ill.

Season Record: 5-0

The Bears got a great jump on a fifth straight NCAA tourney bid by winning their first five games of the 1993-94 campaign. After winning the championship at the season-opening DePauw University Tip-off Tourney two weeks

ago, the Red and Green beat Blackburn on the road and then added the 5th Annual Washington University Tournament title to their list of conquests. Senior guard Sarah Goldman, Nashville, Tenn., an honorable mention All-America pick a year ago, was selected as most valuable player of the Washington University Tourney after averaging 15 points per game. She was joined on the six-player all-tourney squad by senior guard Carletta Taylor, Paducah, Ky.

Men and Women's Swimming/Diving

Last Week: Idle

This Week: at DePauw/Wabash Invitational, Friday and Saturday, Dec. 3-4, Greencastle, Ind.

Current Record: Men: 4-1, Women: 3-1

The Red and Green posted impressive wins over Grinnell College on Nov. 19. At that meet, both the men's and the women's squads took top honors in 9 of the 12 events. The men, who posted 1993 season-bests in all eight individual swimming events, were led by two-time victor Robert Powers, Shreveport, La. Powers, a sophomore, won both the 100-yard backstroke (57.53) and the 200 individual medley (2:06.59). The women had a pair of double-winners in freshmen Christine O'Brien, Billings, Mont., and Shay Upadhyaya, Brentwood, Tenn. O'Brien won the 100 butterfly (1:05.78) and the 200 freestyle (2:05.75), while Upadhyaya touched the wall first in the 50 free (26.14) and the 100 free (56.86).

Faculty expertise enriches travel program

The number of Washington University professors participating in the University's Passport to Knowledge travel program has doubled to 10 from last year. Faculty members spend time traveling with and lecturing to alumni and friends who are interested in a particular part of the world. The travel programs begin in January and run through October, though many trips are filling up fast. Trips range in length from eight to 22 days.

For almost 20 years Washington University has been offering its alumni and friends opportunities to venture to every land imaginable, with great success. More than 60 percent of alumni travelers return for another expedition.

Established in 1974 in the Office of Alumni and Development Programs, the travel program is "a chance to learn, to explore, to discover new lands and to make long-lasting friends," says Julie Ann Kohn, director of alumni international relations and parent programs. Attendance over the past three years, says Kohn, has grown steadily. The number of trips has increased from 12 in 1993 to 15 offered for 1994.

The experience and knowledge of Glenn C. Conroy, Ph.D., professor of anthropology and anatomy and neurobiology, and Jane Phillips-Conroy, Ph.D., associate professor of anthropology, added a unique dimension to a South Africa trip last year. Because of sanctions against South Africa, tour companies hadn't been going there for several years. The Conroys had been working in the area for many years, and knew about many places the tour companies didn't. During the trip they arranged a dinner with an eminent South African journalist for the group and took the travelers on a famous winery tour that wasn't on the itinerary.

More than two-thirds of the trips are led by a faculty member specializing in some aspect of the trip destination.

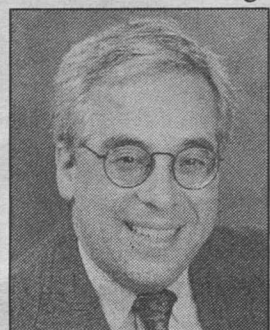
With tour costs ranging from \$2,000 to more than \$5,000 per person, the program has found its appeal in older and retired alumni. In an effort to attract younger alumni, a low-cost trip (\$995) to Switzerland is being offered this year.

Trips being led by faculty are: Antarctica (with Raymond E. Arvidson, Ph.D., professor and chair of Earth and planetary sciences); India (with Gautam Yadama, assistant professor of social work); Costa Rica and the Panama Canal (with Richard Coles, Ph.D., adjunct professor of biology and

Observations *From the Provost*

Committee issues draft on computing

A University committee recently released a draft report outlining its vision for improved computing and computer networking at Washington University into the 21st century. This column summarizes key points of the committee's recommendations with the hope that it will inform the University community and initiate the process of defining a course of action to connect all components of the University. Thoughts and comments are encouraged and should be sent to Edward Macias, Ph.D., provost and committee chair, via e-mail at MACIAS@WUCHEM or at Campus Box 1080.



Edward S. Macias

Other committee members are: Shirley Baker, dean of University Libraries; Robert Benson, associate vice chancellor and professor, Information Management; Martin Dubetz, director, Office of Network Coordinator; Mark Frisse, associate dean of Academic Information Management (School of Medicine); Dennis Martin, assistant provost, director of Financial Aid; Robert McDowell, director of the Teaching Center and professor of mathematics; Bill Smith, director of Computing and Information Systems; and Jonathan Turner, chair of the Computer Science Department. The committee says:

Investing for the future

Over the past decade, computing has moved from centralized mainframes to independently owned desktop machines, making the use of computers and networks highly individualized. The advantages of this shift are obvious, but the resulting isolation has its costs. More extensive computer networks could provide better access to electronic mail, common sources of data and common software.

Access and support for all

It is the University's vision that all faculty, staff and students will have convenient access to a computer network to use for communication, work and study. The international network would support video, data and voice programs, as well as a wide variety of equipment, ranging from simple personal computers to the most advanced research tools. The proposed network would be accessible from desks, offices, classrooms, labs, studios, residence halls and dorm rooms throughout the University, as well as from wherever faculty, students and staff work, travel and live. Computing support — training, help desks, consulting advice — clearly would be needed.

The benefits of such a system are far-reaching. University *business* should become more efficient and effective through timely, immediate electronic access to University data bases, communications and computation. *Technology* should streamline tasks and eliminate redundancies. *Education* should be enhanced with the assistance of computerized classrooms, electronic communication between faculty and students, and rapid access to widely distributed electronic information resources. University *research* and *creative activities* should benefit from access to computational support and international communications that are competitive with those at other leading research institutions.

Ongoing efforts

Several areas must be addressed before the proposed goal of campus-wide computer networks can be achieved. Encouragement and support should be given to a wide range of technical options that reflect the community's breadth. Individuals and components of the University should be made aware of the opportunities afforded by computers and networks, as well as the richness and diversity of information, images, software and automated support available.

Compatibility among computers, software and networks should be encouraged and supported to form a campus-wide network. Data bases for students, alumni, finance and other components of the University should be developed, as well as policies for their availability and use. Also, a plan should be developed to finance University-provided resources, like the network, and identify methods of effective user charges and budgeting.

Throughout the transition, the University should remain flexible and anticipate changing demands, as well as continually upgrade the system to stay productive and competitive, especially in the realm of research. Also, the University should continually assess the needs of its faculty, students and staff to allocate most effectively University resources.

Action plans

Specifically, the University proposes to achieve a University-wide computer network by combining the activities of the Office of the Network Coordinator, the Software Library and Educational Computing Services into one organization called Academic Computing and Networking (ACN).

Development of the physical network infrastructure (e.g., wires) should be assumed in the Office of Network Coordinator with cooperation from the Medical School Dean's Office (MSDO). These groups should develop a strategy to provide access to the campus network and to the Internet for all departments and schools.

Schools and departments should be responsible for providing computing and networking to their faculty, with an eye toward the University's overall vision.

Computer support systems should be the responsibility of the appropriate groups — Hilltop academic (ACN); Medical (MSDO); and Computing and Communications (C&C). These groups should provide central consulting services to schools and departments to identify appropriate networking and information technologies, and should contract services to purchase, operate and maintain the necessary technology. Finally, a plan should be developed to provide full network access to the dormitories. This could be achieved through ACN in cooperation with the physical facilities and housing departments.

The next step is the evolution of new services that could be enabled by and available through the network. Access to worldwide information sources through the University's libraries should be facilitated. University-provided assistance should be made available to students and faculty in libraries, ACN and the Teaching Center. This support should include general information services through ACN, including campus-wide electronic mail directories and information systems, and through C&C to provide the necessary services for administrative organizations.

A process for evaluating emerging technologies and refining existing technologies should be developed through ACN and C&C.

C&C should work with the staff of each major administrative area (e.g., student, alumni, finance) to develop data base and process plans to assure the appropriate availability of information on the network and the accomplishment of streamlined, non-redundant administrative processes.

A task force should be appointed by the provost to provide leadership and direction. It would be charged with developing understanding and consensus about computing and networking among the University's faculty, students and staff. The task

Continued on page 8

Faculty receive promotions

The following faculty received promotions effective July 1, 1993, unless otherwise noted. These promotions were on record as of Oct. 8, 1993. The faculty with an asterisk next to their names were promoted with tenure. (Note: The next issue of the Record will contain a list of the faculty members who have been granted tenure or appointed with tenure on the Hilltop and Medical campuses.)

Hilltop Campus

*Kerry E. Back to professor of finance (Oct. 8, 1993); William P. Bottom to associate professor of organizational behavior; *William E. Buhro to associate professor of chemistry; *Quo-Shin Chi to associate professor of mathematics; *Clark D. Cunningham to professor of law; *Nina Cox Davis to associate professor of Spanish (Dec. 4, 1992); Lee J. Epstein to professor of political science; Barbara J. Flagg to associate professor of law;

Tuan-Hua David Ho to professor of biology; *Ronald S. Indeck to associate professor of electrical engineering; *Daniel L. Keating to professor of law; Ronald R. King to associate professor of accounting; *Robert G. Kranz to associate professor of biology; James T. Little to professor of finance and economics; *Kevin D. Moeller to associate professor of chemistry; *Nancy Morrow-Howell to associate professor of social work;

*Himadri B. Pakrasi to associate professor of biology; *Gurudatta Parulkar to associate professor of computer science; *Richard D. Rabbitt to associate professor of mechanical engineering; *David Tab Rasmussen to associate professor of anthropology; *Heinz Schättler to associate professor of systems science and mathematics; *Everett L. Shock to associate professor of earth and planetary sciences; David L. Wright to professor of mathematics.

Medical Campus

Gail G. Ahumada to associate professor of clinical medicine; Dee C. Anderson to professor of radiology; Michael A. Berk to assistant professor of clinical medicine; Aaron M. Bernstein to assistant professor of clinical medicine; Eric C. Beyer to associate professor of pediatrics and associate professor of cell biology and physiology (also assistant professor of medicine); Aaron Birenbaum to assistant professor of clinical medicine; Nalini S. Bora to research assistant professor of ophthalmology and visual sciences (also research assistant professor of pathology) (June 1, 1992); Benjamin A. Borowsky to professor of clinical medicine;

Kelly N. Botteron to assistant professor of psychiatry (child psychiatry); William G. Bowen to associate professor of clinical medicine; Eric J. Brown to professor of cell biology and physiology (also professor of medicine and associate professor of molecular microbiology) (Jan. 1, 1993); *Jeffrey J. Brown to associate professor of radiology; Andreas Burkhalter to associate professor of neurobiology (also associate professor of neurobiology in neurological surgery) (Jan. 1, 1993); Michael E. Cain to professor of medicine; Charles E. Canter to associate professor of pediatrics;

David D. Chaplin to associate professor of genetics (also associate professor of medicine and associate professor of molecular microbiology) (July 1, 1992); *Cheryl M. Coffin to associate professor of pathology (also assistant professor of pathology in pediatrics); Anne M. Connolly to assistant professor of pediatrics (also assistant professor of neurology); John A. Cooper to associate professor of cell biology and physiology (Jan. 1, 1993); Linda B. Cottler to associate professor of epidemiology in psychiatry (also instructor in health administration); Edmond C. Crouch to professor of pathology (full-time at Jewish Hospital); Samuel E. Dagogo-Jack to assistant professor of medicine;

Bill B. Daily Jr. to assistant professor of surgery (cardiothoracic surgery) (July 1, 1992); *Michael D. Darcy to associate professor of radiology; Rosa M. Davila to assistant professor of pathology (full-time at Jewish Hospital); Jeffrey G. Dawson to assistant professor of pediatrics; *Douglas C. Dean to associate professor of medicine (also associate professor of cell biology and physiology); Eliana D. Delgado to assistant professor of surgery; Venkata R. Devineni

to associate professor of radiology (April 1, 1993); *S. Bruce Downton to associate professor of pediatrics (also assistant professor of genetics) (March 5, 1993);

Russell Eggebrecht to associate professor of clinical medicine; John O. Eichling to professor of radiology; Alex S. Evers to associate professor of medicine (also associate professor of anesthesiology and associate professor of molecular biology and pharmacology) (Oct. 1, 1992); Mary M. Evert to adjunct assistant professor of otolaryngology (Jan. 1, 1993); Larry E. Fields to assistant professor of medicine (also assistant professor of pathology); *T. Bruce Ferguson Jr. to associate professor of surgery (cardiothoracic surgery); Lewis C. Fischbein to associate professor of clinical medicine; Walter H. Folger to assistant professor of anesthesiology (Oct. 1, 1992);

Jeffrey M. Gidday to assistant professor of neurological surgery; Luis A. Giuffra to research assistant professor of genetics in psychiatry (July 1, 1992); Stephen L. Gluck to associate professor of cell biology and physiology (also associate professor of medicine); Perry W. Grigsby to professor of radiology; Eric A. Gulve to research assistant professor of medicine (July 1, 1992); Jay P. Heiken to professor of radiology; *Marshall E. Hicks to associate professor of radiology; *Charles F. Hildebolt to associate professor of radiology; Paul Hintze to assistant professor of clinical medicine;

Charles W. Hogue Jr. to associate professor of anesthesiology; Barry A. Hong to research associate professor of medical psychology in psychiatry (also associate vice chair for clinical affairs, Department of Psychiatry and assistant professor of psychology); Sidney Jick to associate professor of clinical medicine; Charles Kilo to professor of clinical medicine; Stanley J. Korsmeyer to professor of molecular microbiology (also professor of medicine and professor of pathology) (July 1, 1992); Justin F. Kraner to assistant professor of clinical obstetrics and gynecology (Nov. 1, 1992); James E. Krause to professor of neurobiology (Feb. 1, 1993); *Andrei Laszlo to associate professor of radiology;

*James B. Lefkowitz to associate professor of medicine (also associate professor of molecular biology and pharmacology); Walter Lemann III to associate professor of clinical neurology (July 1, 1992); Timothy J. Ley to professor of medicine (also professor of genetics); Yue-Sheng Li to research assistant professor of medicine (full-time at Jewish Hospital); Susan Mackinnon to professor of otolaryngology (also professor of surgery — plastic and reconstructive surgery) (Jan. 1, 1993); Barry P. Markovitz to assistant professor of anesthesiology (also assistant professor of pediatrics) (Oct. 1, 1992); Leonard N. Matheson to adjunct assistant professor of otolaryngology (Jan. 1, 1993); Rebecca P. McAlister to assistant professor of obstetrics and gynecology;

James S. McCasland to research associate professor of neurological surgery and research associate professor of neurology; Elspeth M. McDougall to assistant professor of surgery (urologic surgery); Robert W. Mercer to associate professor of cell biology and physiology; Diane F. Merritt to associate professor of obstetrics and gynecology; Aaron J. Moe to research assistant professor of pediatrics; *Christopher J. Moran to associate professor of radiology; Michael J. Mueller to assistant professor of physical therapy (Jan. 1, 1993); Rosalind J. Neuman to research assistant professor of mathematics in psychiatry;

Charles C. Norland to professor of clinical medicine; Christine B. Novak to research assistant professor of surgery (plastic and reconstructive surgery) and research assistant professor of otolaryngology (Jan. 1, 1993); *Roberto Pacifici to associate professor of medicine; Tae Sung Park to professor of pediatrics (also professor of neurological surgery); Ronald M. Payne to assistant professor of pediatrics; Jay S. Pepose to professor of ophthalmology and visual sciences (also associate professor of pathology) (July 1, 1992); Marybeth Pereira to associate professor of clinical medicine; David H. Perlmutter to professor of cell biology and physiology (also professor of pediatrics) (Jan. 1, 1993);

Jay F. Piccirillo to assistant professor of otolaryngology; *William G. Powderly to associate professor of medicine; Rumi K.

Continued on page 8

For The Record

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

Of note

Roger Gibson, Ph.D., professor and chair of philosophy, was invited to ceremonies held in Stockholm for the awarding of the first Swedish Academy of Science's Rolf Schock Prize to W. V. Quine of Harvard University. In conjunction with the ceremony, Gibson presented a paper on "Quine and Davidson: Two Naturalized Epistemologists" during the Symposium on

the Philosophy of W. V. Quine held at The Norwegian Academy of Science and Letters in Oslo. ...

Lynn Stockman Imergoot, assistant athletic director and women's tennis coach, passed the Level 1 Sport Science Competency Test for Tennis developed by the U.S. Tennis Association. Imergoot's 19-year coaching record at Washington is 245-90.

Speaking of

Bruce H. Haughey, M.B.Ch.B., assistant professor of otolaryngology and director

of head and neck oncology, received the Honor Award from the American Academy of Otolaryngology — Head and Neck Surgery during the academy's 97th annual meeting held in Minneapolis. Bestowed since 1934, the award recognizes those who have served the academy. ...

Martin S. Silverman, Ph.D., assistant professor of ophthalmology and visual sciences and director of the Division of Retinal Cell Transplantation and assistant professor of neurobiology, presented a symposium titled "Transplantation of Ocular Tissue: The Cornea and the

Retina" at the Association for Research in Vision and Ophthalmology's meeting held in Sarasota, Fla.

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.

Obituaries

Paul Painter, psychiatry professor

Paul Painter, M.D., assistant professor of clinical child psychiatry and clinical pediatrics at the School of Medicine, died from cancer Nov. 8 at his home in Ladue. He was 70.

Painter, who was born in St. Louis, earned his medical degree in 1947 from St. Louis University. He was in private practice in St. Louis for more than 40 years. He was on the staffs of Barnes Hospital and St. Louis Children's Hospital, where he was a former head of the child psychiatric unit. For many years, he also was the psychiatric consultant for the St. Louis School District.

Painter is survived by his wife, Sallie Parry Painter of St. Louis; two daughters, Lucy Painter of New York and Anne Painter Ogden of Minneapolis; four sons, Jeffrey Painter of Livermore, Calif., Gregg Painter of Denver, Benedict Painter of Creve Coeur and Thomas Painter of Berkeley, Calif.; and seven grandchildren. His body was donated to the School of Medicine.

Memorial contributions may be made to the Friends of Lakeside School Center, 13044 Marine Ave., St. Louis, MO 63146, or to the ECHO School/Euclid Academy, 3033 N. Euclid Ave., St. Louis, MO 63115.

Simon's generosity was 'universal' — from page 1

business school dedicated its new 165,000-square-foot building as John E. Simon Hall in honor of his contributions to the University. The building provided a solid foundation for the school's move into the top tier of the nation's leading business schools.

"All of St. Louis can be thankful for the distinguished life of this good, gentle, decent man, for his generosity has reached far and wide through our community," said Robert Virgil, D.B.A., former dean of the business school, now with Edward D. Jones & Co. "John Simon has had an enormous influence during the last two decades on the successful development of the business school at Washington University. His gifts to the chair in finance and to name the building stirred our friends, giving them confidence that the school's high objectives could be met. John E. Simon Hall is the centerpiece of the school today."

Born in Cincinnati, Ohio, in 1896, Simon moved to St. Louis in time to enjoy the World's Fair in 1904. He attended Smith Academy (now Mary Institute Country Day School), a preparatory school once operated by Washington University. After graduating from Harvard University in 1918 and briefly serving in World War I, Simon joined the firm of I.M. Simon in St. Louis in 1919. Founded in 1874 by his great-uncle, the firm is believed to be the third oldest New York Stock Exchange member firm and the oldest, continuous member firm west of the Mississippi River. As the result of a merger, the I.M. Simon firm is now part of Stifel Nicolaus & Co. Inc., a national investment firm based in St. Louis.

Simon became a partner in the firm in 1925. As senior general partner, he guided the firm through the Wall Street crash of 1929, the Great Depression, World War II, and was still active in the Clayton office during the 1980s. His firm played a crucial role in the formation and syndication of several major American companies.

Simon's main leisure interest was contract bridge. He was a lifetime member of the American Contract Bridge League, in which he and Adaline were national tournament champions. He was one of the U.S. representatives at the World Bridge Olympics held at Cannes in 1962. He also participated in the World Bridge Olympics in Amsterdam in 1966 and in New Orleans in 1978.

Fortunately for higher education and medicine in St. Louis, Simon's mastery of bridge and the stock market were not his only interests. In 1991, Simon was recognized as St. Louis' outstanding philanthropist.

In addition to Washington University, the Simons also made major contributions to St. Louis University, including the Ralph A. Kinsella Professorship in the School of Medicine, named for their personal physician; the Simon Professorship in Economics; the Simon Plaza; and the Program in Entrepreneurial Studies in the School of Business and Administration.

"Jack Simon was both a close personal friend and one of the most generous and broad-minded citizens I have been privileged to know over the last 50 years," said The Rev. Paul C. Reinert, chancellor emeritus of St. Louis University. "His humane interests and his generosity were universal. If a project would help people to achieve a better life, Jack was eager to support that project. To help others — that was the motivation behind his widespread generosity — never to receive recognition as a philanthropist."

Both St. Louis University and Maryville College have athletic complexes named in honor of John and Adaline Simon.

Simon served on the board of Maryville College from the mid-1960s to the present. In recognition of his devoted service and generosity, Maryville's new business school bears his name.

His interest in medicine prompted him to assist Jewish Hospital in providing salary support for promising young full-time research and teaching specialists in internal medicine. He was a life member of the Jewish Hospital Board.

At Jewish, Simon established the John E. & Adaline Simon Chair in Medicine in 1965; the John Simon Faculty Development Fund, which supports physician investigators; and the John E. Simon Fund for Research in the Department of Medicine.

Simon provided funds for the establishment of the Ralph A. Kinsella Sr. Center for Experimental Medicine as a memorial to the late professor and doctor emeritus of the Department of Internal Medicine at the St. Louis University School of Medicine.

Simon received two honorary degrees, doctor of humane letters from Washington University in 1983 and doctor of laws from Maryville College in 1975. He was a life benefactor of Washington University's William Greenleaf Eliot Society.

Other interests included the Missouri Historical Society and the Council of Christians and Jews. He was a member of Temple Israel.

Simon is survived by several nieces and nephews. Memorial contributions may be made to any of the institutions listed above.

Marcia K. Armstrong named associate dean of Olin School

Marcia K. Armstrong, Ph.D., assistant professor of marketing at the John M. Olin School of Business, has been named associate dean and director of executive education, effective March 1, 1994. Acting Dean Lyn Pankoff, Ph.D., has announced.

"I am delighted that Marci has agreed to accept this appointment," Pankoff said.



Marcia K. Armstrong

will replace Richard J. Scaldini, Ph.D., who is leaving to assume the presidency of The Washington Campus, a not-for-

profit educational organization based in Washington, D.C. The organization is committed to educating business leaders about public policy.

Since September 1989, Armstrong has been assistant professor of marketing at the Olin School. Her research interests include marketing, trade promotions and innovative product developments.

At Washington University she has taught marketing principles to undergraduates and new product management to undergraduates and students in the MBA program. The school's undergraduates voted her Teacher of the Year in 1993 and MBA students selected her for the honor in 1990 and 1993 as well.

Armstrong received a doctorate in management science with a marketing major from the University of Texas at Dallas in 1991. She received a master's degree in consumer science in 1982 from Texas Tech University and a bachelor's degree in education from New Mexico State University in 1978.

Executive MBA program listed among top 20

The John M. Olin School of Business is among the nation's 20 leaders in providing a graduate business degree program for working senior executives, according to a recent study by Business Week magazine.

The magazine's analysis, which ran in the Oct. 25 issue, is based on a survey of deans and executive MBA program directors at various schools.

Olin's Executive MBA program is designed for mid- and senior-level executives who seek a business education with an emphasis on general management. While

continuing to work full time, the executives pursue a demanding 21-month program that meets weekly for a full day of coursework on alternating Fridays and Saturdays.

Business Week's list highlighted programs like Olin's that offer a strong international component. Olin's Executive MBA program includes integrated residency programs in Tokyo and London. The London residency is an optional four-week study emphasizing international finance, capital markets and the structure of the European Community.

Kemper grants spur innovative thinking — from page 1

grams. He and his top management team attended the luncheon.

"The best preparation for any profession is a broad liberal arts training," Kemper said. "The philosophy of Commerce Bank is community involvement and education is our highest priority. Washington University is a premier school in this country. We are delighted to support it."

Wyssession's "Ring of Fire: Earthquakes, Volcanoes and Plate Tectonics" is the only course funded by a Kemper grant that is offered this semester. The focus of the class is the "Ring of Fire," a narrow band of recurring earthquakes and volcanoes ringing the Pacific Ocean. Through a combination of lectures, visual displays and computer demonstrations, Wyssession aims to give non-science majors an understanding of the physical processes shaping the earth.

"If 'Ring of Fire' had been taught 30 years ago, it would have been just a jumble of facts," Wyssession said. "The concept of plate tectonics is very new. It explains almost all the geology we see; mountains, valleys, why there is oil in the Middle East, why there is gold or diamonds in other regions. It is the history of life itself."

"Awesome Ideas in Physics" will be taught for the first time in the spring by Dickhoff. The course is designed for students who do not plan to major in physics, but are interested in material offered in best sellers like Stephen Hawking's *A Brief History of Time*. Dickhoff will strive to develop an understanding of how physics describes familiar phenomena and those that transcend common sense, using examples

that do not require a sophisticated mathematical treatment.

Rankovic and King will team up to teach "The American Dream: Work, Class and Culture" in the spring. Using a variety of 20th-century American texts — including novels, music, essays and film about the U.S. working class experience — Rankovic and King will encourage students to question the perception of the worker and the working class.

"Class is not discussed in polite circles; it is an extremely charged word. Chris and I want to explore why we call ourselves employees rather than workers; why it's good to work, but not good to be a worker," Rankovic said. "We want to encourage student awareness of the meaning of the 'working class,' the 'middle class.'"

Krantz's "A Course in Problem Solving" is designed to teach, nurture and develop techniques for formulating and analyzing problems. There will be no mathematics prerequisite and the problems considered will be drawn from many disciplines. The students will attack these problems by using logic and amassing statistical and factual evidence. The course will be taught in spring 1995.

"I want students to think critically, to learn to fit ideas together in new ways and learn that knowledge is not compartmentalized," Krantz said. "In fact, knowledge is a seamless spectrum and you have to use many different parts of it when analyzing a situation. I want to develop my course into a tool to make students develop these skills."

—Susannah Webb

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.

Facilities Manager

940112. *Gallery of Art*. Requirements: Bachelor's degree; experience handling works of art; experience with hand tools, power tools; trustworthy; experienced; able to supervise students. Resume and three letters of recommendation required.

Curator

940113. *Gallery of Art*. Requirements: Master's degree in art history or a master's of fine arts degree with emphasis on 19th- and 20th-century European and American art; museum or gallery experience; strong research, public speaking and writing skills. Resume and three letters of recommendation required.

Department Secretary

940115. *Major Gifts and Capital Projects*. Requirements: Associate's degree or equivalent; specialized secretarial and business training; detail oriented; three years general office experience; good command of English; must be alert and well-spoken; able to deal with multiple priorities; mature; well-groomed; must have a pleasant personality; ability to work well with and relate easily to people; sensitive to the needs and mission of Washington University and higher education; willingness to learn. Clerical testing and three letters of recommendation required.

Department Secretary

940130. *Alumni and Development Programs*. Requirements: Some college, associate's degree preferred; three years of general office experience; good command of English; must be alert and well-spoken; able to deal with multiple priorities with minimal supervision; mature; good grooming; pleasant personality; able to work well with and relate easily to people; typing 50 wpm with accuracy. Clerical tests and three letters of recommendation required.

Information Service Specialist

940131. *Financial Aid*. Requirements: High school graduate, some college; typing 25 wpm with accuracy; must be capable of treating students, parents and others seeking assistance in a professional, service-oriented manner; ability to work well with people within the Financial Aid Office and in related areas; capable of learning and articulating office and University-wide procedures relating to student services (Financial Aid, Admission, Student Accounting, Registrar's offices); ability to work industriously and accurately in a well organized manner; ability to maintain efficiency and composure under pressure, especially from multiple telephone calls and frequent student requests. Clerical tests and three letters of recommendation required.

Accounts Payable Clerk I

940132. *Accounting Services*. Requirements: High school graduation, three semester hours of accounting or at least two years experience in accounting; good communication skills; experience in the use of mainframe or personal computer accounting applications; high clerical and mathematical aptitude preferred; good communication skills; proficiency in the operation of office equipment, including telephone, CRT, calculator, photocopier and fax; legible handwriting. Clerical tests and three letters of recommendation required.

Secretary

940135. *George Warren Brown School of Social Work*. Requirements: Some college,

associate's degree preferred; typing 40 wpm with accuracy; ability to proofread own work; above average knowledge of English grammar and spelling; coordination of project-related meetings; personal computer proficiency, including word processing and spreadsheets; ability to coordinate, write and proofread. Clerical tests and three letters of recommendation required.

Administrator, Center for Mental Health Services Research

940136. *George Warren Brown School of Social Work*. Requirements: Master's of social work or related master's degree; knowledge of mental health services; excellent written and verbal communication skills; administrative competence; experience in grant writing and knowledge of the research process; two years professional experience, preferably in a management capacity in mental health. Resume and three letters of recommendation required.

Assistant/Associate Director of Development

School of Engineering and Applied Science. Washington University is seeking a talented and qualified individual to serve, depending upon qualifications, as either assistant or associate director of development for its School of Engineering and Applied Science. This is a permanent position in the Office of Alumni and Development Programs. Preferred qualifications: Bachelor's degree and three years experience in alumni/development or closely related work. Preference will be given to individuals with development experience in higher education. Salary is dependent on experience and qualifications. Some travel is required. Excellent writing, speaking, listening and organizational skills are essential. Send letter of application, resume and three references to: Director of Development, School of Engineering and Applied Science, Campus Box 1163, Washington University, One Brookings Drive, St. Louis, MO 63130-4899.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Employees who are interested in submitting a transfer request should contact the Human Resources Department of the medical school at 362-4920 to request an application. External candidates may call 362-7195 for information regarding application procedures or may submit a resume to the Human Resources office located at 4480 Clayton Ave., Campus Box 8002, St. Louis, Mo. 63110. Please note that the medical school does not disclose salary information for vacancies, and the office strongly discourages inquiries to departments other than Human Resources.

Lab Tech Research

940316-R. *Pediatrics*. Schedule: Some weekends required. Requirements: Associate's degree, bachelor's degree in biology, cell biology or related field preferred; well organized.

Medical Record Analyst II

940350-R. *Internal Medicine*. Requirements: Bachelor's degree in related area and three years clinical training experience; medical records experience; strong communications, interpersonal and analytical skills; computer experience helpful.

Administrative Coordinator

940356-R. *Surgery*. Schedule: May require some evenings or Saturdays. Requirements: High school graduate or equivalent, college degree preferred; phlebotomy skills; familiarity with medical terminology and medical records preferred.

Medical Secretary I

940359-R. *Metabolism*. Requirements: High school graduate or equivalent; advanced education or training in business

or secretarial school preferred; proficiency with personal computer, WordPerfect and Lotus 1-2-3 or other spreadsheet software; typing 60 wpm.

Professional Rater I

940361-R. *Psychiatry*. Requirements: Bachelor's degree; skills in the behavioral sciences — interviewing, testing — preferred; good communication and organizational skills.

Medical Research Technician

940370-R. *Biochemistry*. Requirements: Bachelor's degree in biology, biochemistry or chemistry; additional experience in standard molecular biology lab techniques; experience with protein work helpful.

Secretary I

940373-R. *Radiology*. Schedule: Part-time, 20 hours per week, flexible, Mondays-Thursdays. Requirements: High school graduate or equivalent; knowledge of medical terminology preferred; perform accurate, precise work and work well with others.

Clinical Lab Technician I

940382-R. *Obstetrics and Gynecology*. Requirements: Three years of college, college graduate with knowledge of microscope and understanding of human

genetics preferred; knowledge of human cytogenetics a plus; must be interested in working in a diagnostic clinical lab.

Administrative Coordinator — Accounting

940383-R. *Internal Medicine*. Requirements: Bachelor's degree in accounting or business preferred, master's degree highly preferred; experience in accounting and financial analysis; ability to work with a wide variety of individuals; good organizational skills and familiarity with FOCUS/FIS/Excel systems.

Data Assistant

940399-R. *Psychiatry*. Schedule: Part-time, 20 hours per week, flexible, Mondays-Fridays. Requirements: High school graduate or equivalent, associate's degree preferred; at least one year experience as a data assistant; experience with WordPerfect; typing 50 wpm.

Medical Research Technician

940418-R. *Pediatrics*. Schedule: Part-time, 20 hours per week, consistent schedule, four or five days per week. Requirements: Bachelor's degree in chemistry, biochemistry or related field; experience in molecular biology research; expertise in working with radioisotopes and autoradiography procedures.

Faculty promotions — from page 6

Price to research assistant professor of epidemiology in psychiatry (July 1, 1992); Donald L. Pruitt to assistant professor of surgery (orthopedic surgery); Diane M. Radford to assistant professor of surgery (general surgery) (Oct. 1, 1992); Lee Ratner to professor of medicine (also professor of molecular microbiology); Jeffrey M. Reilly to assistant professor of surgery (general surgery); *Michael W. Rich to associate professor of medicine; Brock D. Ridenour to assistant professor of otolaryngology;

Louis J. Rosenbaum to associate professor of clinical ophthalmology and visual sciences; Robert J. Rothbaum to associate professor of pediatrics (Jan. 1, 1993); Peter S. Rotwein to professor of medicine (also professor of biochemistry and molecular biophysics and assistant professor of genetics); Henry D. Royal to professor of radiology; J. Evan Sadler to professor of biochemistry and molecular biophysics (also professor of medicine); Llewellyn Sale Jr. to professor of clinical medicine; Alec Salt to associate professor of otolaryngology; Blaine M. Sayre to assistant professor of clinical pediatrics;

Robert E. Schmidt to professor of pathology; Allen Sclaroff to professor of clinical otolaryngology (oral surgery) (also assistant director of resident education for oral maxillofacial surgery) (Aug. 1, 1992); Yvette I. Sheline to assistant professor of psychiatry (also research associate in psychology); Sherry E. Shuman to assistant professor of medicine; David R. Sinacore to assistant professor of physical therapy (Jan. 1, 1993); Joseph W. St. Geme to assistant professor of pediatrics (also assistant professor of molecular microbiology) (Sept. 1, 1992); *Samuel L. Stanley Jr. to associate professor of medicine (also associate professor of molecular microbiology); Noah Susman to professor of clinical radiology;

Robert M. Taxman to associate professor of clinical medicine; Randall W. Tobler to assistant professor of clinical obstetrics and gynecology; Richard D. Todd to professor of psychiatry (child psychiatry) (also associate professor of genetics); Douglas M. Tollefsen to professor of medicine (also assistant professor of biochemistry and molecular biophysics); William G. Totty to professor of radiology; Michael Valente to associate professor of otolaryngology (audiology); Oksana Volshteyn to assistant professor of neurology and assistant professor of medicine (Sept. 1, 1993); Mary P. Watkins to research associate professor of occupational

therapy and research associate professor of surgery (plastic and reconstructive surgery) (Jan. 1, 1993);

Michael P. Whyte to professor of pediatrics (also professor of medicine) (Sept. 1, 1992); *Samuel A. Wickline to associate professor of medicine; Daniel B. Williams to assistant professor of obstetrics and gynecology (on the clinician track) (also adjunct professor of law); *Anthony J. Wilson to associate professor of radiology; *David Windus to associate professor of medicine; *Franz J. Wippold II to associate professor of radiology; John R. Wittenborn to assistant professor of neurology; Megan E. Wren to assistant professor of medicine (Sept. 1, 1993);

Mitchell Yanow to assistant professor emeritus of clinical obstetrics and gynecology (Nov. 1, 1992); Kevin Yarasheski to research assistant professor of medicine; Woon Chee Yee to assistant professor of neurology (July 1, 1992); Hsui-Jeng Yeh to research assistant professor of medicine; Patricia A. Young-Beyer to assistant professor of anesthesiology (Oct. 1, 1992); Sean H. Yutzky to assistant professor of psychiatry; and Charles F. Zorumski to professor of psychiatry (also associate vice chair for research, Dept. of Psychiatry and professor of neurobiology).

Computing — from page 6

force also should assess continually the University's computing and networking needs and establish priorities and costs of common resources, support and services.

The task force should advocate common goals and interests between divisions, and establish and promote the use of standards for generic capabilities, like electronic mail, video conferences and collaborative work environments. It should review the individual missions of University components and how they relate to the University's goals and recommend appropriate action to the administrators and organizations involved.

Conclusion

With respect to the use of technology, this article takes the approach that real progress comes when the individual interests of each component of the University are merged with the successful application of information technology. The University must encourage the necessary infrastructure and support mechanisms that make it possible for each component to move forward. We are confident that access and support for all will follow.