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 ended 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, Junata 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 53-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."

Leader 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. Junata 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 punctuated its victory with an 8-0 run in game three. Junata 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 1,499th and last kill of her stellar career.

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

"Albers was the key," said Junata coach Larry Bock, the Division III coach of the year. "We didn't do a good job at controlling her as we should have. The Bears put us 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 Blougan of Juniata and Liang Cai Khaw of Rochester Institute of Technology.

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

The trip to Pennsylvania capped a season in which Masel, Angela Suarez, Leslie Catlin and Amy Sullivan.

Five faculty honored for developing innovative undergraduate courses

WASHINGTON UNIVERSITY IN ST. LOUIS

Vol. 18 No. 14 Dec. 2, 1993

Five faculty honored for developing innovative undergraduate courses

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 advisor, 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 Kemper Foundation has supported us well." Simon's wife, Adaline, shared her husband's interest in philanthropy and, with John Edward Simon, established many funds benefiting medicine, education and the arts. She died in 1985 at age 84.

The Simpsons made their first major contribution to Washington University in 1961, when they endowed the John and Adaline Simon Chair in Medicine. They established the Simon Scholarship Fund in 1971 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 William T. Kemper Foundation Five faculty honored for developing innovative undergraduate courses

W

This Issue...

Surgical strides: New surgery may lower risk of spinal pain and shorten recovery time for children with cerebral palsy

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

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

In This Issue...
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, 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, the only known 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 pediatric neurosurgery-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 allows children to recover more quickly. A shorter recovery period allows children to return to 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 function in six 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 coordination. In fact, because of 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 to the brain during pregnancy, at birth, or shortly after birth. About 80 percent of children with this disease have a spastic type form of the disease. In addition to the problems the disease symptoms cause in their lives, many of these children will require orthopedic operations because of long-term effects of spasticity. Left untreated, these operations can cause further joint deformities and other problems.

Leaving more support

In the more common selective dorsal rhizotomy procedure, surgeons remove 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 31, 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 neurosurgey, neurology and orthopedics, we plan to look at the role of each treatment option and find out the advantages and disadvantages of each one."

Grubb appointed to new neurological surgery chair

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

Grubb, an internationally respected expert on cerebrovascular occlusive disease and stroke, was named to the chair of neurological surgery in 1973 at the former Medical School.

Robert L. Grubb Jr.

Huang, M.D., a neuroradiologist and international leader in stroke research, 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 neuroradiologist in Syracuse, N.Y., died in 1987. Lourie and Huang became friends researching their neuroradiology residencies at Washington University.

"The creation of this chair is particularly noteworthy because it reflects on three outstanding men," said William A. Peek, 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 first 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 Gross 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 from 1967 to 1973 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 neurosurgical residency at Barnes Hospital.

Physical therapist Patrice 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.

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

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: Witch-craft and the Discourses of Discovery and Disbelief." Her 1976 book, Voices 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 are the oracles of our origins.

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 adds 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 Literatuve in the Early Modern Period, sponsored by the German department and the German Research Association in Bonn. The conference, which began in 1994, at the University's West Campus.

"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 forth. This reflects a great deal of what we do and who we are today.

As a fellow at the Institute for European Cultural History at Augsburg, she compiled 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 Manz 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 vagging, 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.

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

Williams came to Washington University in 1975 as an assistant professor teaching and researching German literature, less than 20 years after her family fled East Germany to West Germany in 1956. Since then, she has served in a variety of academic posts, including a term as director of the Lin- guistics Program. She served as chair of the German department for five years, three of which overlapped with Williams and hopes to teach German literature at a University in Israel. Ph.D., dean of the Faculty of Arts and Sciences, in establishing the International Writers Center at Washington. She has been a member of the Renovation Committee, she says "Universities should provide comfortable spaces for faculty to relax and interact with ease — spaces that are conducive to learning, to the exchange of ideas, to thinking and to trying out new ideas."

William also chairs the Common Spaces Committee, the Committee on the Visual Arts, and co-chairs, with Dennis Martin, professor of art 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 most successful work of the Committee on the Visual Arts to be the successful cooperation of faculty with students and colleagues in the German department and the German Research Association in Bonn. The conference, which began in 1994, at the University's West Campus.

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Films
Thursday, Dec. 2

Thursday, Dec. 9 and 10 and 9:15 p.m. Filmboard Student Series. "93 Flood: A Chronicle Story." (Also Dec. 4, same times, and Dec. 5 at 7 p.m.) Room 100 Brown Hall.

Midnight. Filmboard Midnights. "Porky." (Also Dec. 4, same time, and Dec. 10 at 8 p.m.) Room 100 Brown Hall. Cost: $3.

Lectures
Thursday, Dec. 2


2-4 p.m. First Annual "Roper Day" program. Symposium on renal transplantation surgery to honor Charles L. Roper, prof., Dept. of Surgery. Third Floor Amd., St. Louis Children's Hospital.

Exhibitions
"Recent Acquisitions: Rare Books and Manuscripts Added to Special Collections." Through December. Olin Library, Special Collections, Level Five. Open Monday-Friday, 9:30 a.m.-5:30 p.m.; weekends, 11 a.m.-5 p.m. 935-5983.

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 Koh, 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. Open 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. 935-5400.

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 stated.

Calendar submissions should state time, date, place, sponsor, title of event, name of person conducting event and event cost. Quality promotional photographs with stories are encouraged. Deadline for submission is Friday at Judy Ruhland at Box 1070 (or via fax: 935-9187) for the following week's Calendar, or Monday before the deadline for the following week's Calendar.

The deadline for all entries is room Tuesday at 5 p.m. for entries to be included in the following week's Calendar. The Calendar is printed every Tuesday, and the deadline before the magazine will not be printed. The Record is printed every Thursday and the deadline before the newspaper will be printed. The deadline before the deadline, holiday schedule, or any other information, please call 935-4025.

For 24-hour Filmboard hotline, call 935-1054.

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Music

Saturday, Dec. 4

Sunday, Dec. 5
7:30 p.m. University City Symphony Orchestra performance. Program, directed by William Schrader, features "Clemenza di Tito," "The Impresario" and "Così fan tutte." The program is directed by Jolli Stewart. (Also Dec. 11; same time) Uthaill Hall Lounge.

Performances

Thursday, Dec. 2
8 p.m. Performing Arts Dept. Production. "Blue Moon Rising," an original play written and directed by James Nicholson, playwright-in-residence, and performed by the University Players, directed by lecturer in performing arts and founder, Stuber-Mask, a local theater company. (Also Dec. 9; same time) Graham Chapel.

Faculty expertise enriches travel program

The number of Washington University professors who have directed 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 the alumni who return for another expedition.

Established in 1974 in the Office of Alumni, the Passport to Knowledge travel program is "a chance to learn, to experience and to grow," says William Schrader, PhD. "Long-time travelers," says Julie Ann Kohn, director of alumni international relations and professor of political science. "For more than 10 years, she has led the program, she says." Kohn, has grown steadily. The number of trips has increased from 12 to 15 for 1990. The experience and knowledge of Glenn C. Corby, PhD., professor of anthropology and anatomy and neurobiology, and Jane Phillips, PhD., associate professor of anthropology, added a unique dimension to a South Africa trip last year. Because of sanctions against South Africa, the countries hadn't been there going back for several years. "Past alumni have been in the area for many years, and know about many places the tour companies didn't," says Kohn. During the trip they arranged a dinner with an eminent South African journalist for the group and took the travelers on a full day wine tour that wasn't on the itinerary.

Two more than three times the trips are led by a faculty member specializing in some aspect of the trip destination. With fees ranging from $2,000 to more than $5,000 per person, the program has found its appeal in older and retired alumni, many of whom are in the area for 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 same field. Jolli Kohn or Dan Gifford at 9:52-508. 9:52-508.

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 included at least two of the most likely locales for the national final.

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This year's 10th anniversary entrants are

Men's Basketball

Last Week: Washington 85, La Verne 75; DePauw 76, Washington 68; Millikin 98, Washington 86; Rhodes 79, Washington 78 (OT).

This Week: at Webster (82-75), 6 p.m. Saturday, Dec. 4, Field House.

DePauw/Wabash Invitational Tournament. 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 193 sea-sons-bests in all individual swimming events, were led by two-time victory Rob-erts Powers, Shreveport, La., Powers, a sophomore, won both the 100-yard back- stroke (53.24) and the 200-yard 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-yard butterfly (1:02.20) 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).

Sports

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 University Field House.

"Lopata appearance, plays like a dream," Clemens said. "No challenge was too tough, no road too long. They truly deserve the label of champions."
This support should include general information services through ACN, including faculty,
and departmental housing departments. This could be achieved through ACN in cooperation with the
physical facilities and networking to their faculty, with an eye toward the University's overall vision.
access to the campus network and to the Internet for all departments and schools.

The benefits of such a system are far-reaching. University
education and communication between faculty and
University data bases, communications and computation.

The following faculty received promotions effective July 1, 1993, unless otherwise
noted. These promotions were on record as of Oct. 1, 1992. (When an asterisk is next to their names, they were promoted with
promotion to professor of radiology; Alexander S. Evers to associate professor of medicine; Edward S. Macias to associate professor of computer science; David K. Stidham to associate professor of computer science; Richard D. Rabin to associate professor of computer science; Thomas J. Neuman to associate professor of computer science.

Continued on page 8
Paul Painter, psychiatry professor

Paul Painter, M.D., assistant professor of clinical child psychiatry and pediatriciatrics at the School of Medicine, died from cancer in St Louis. He was 70.

Painter was born in St Louis in 1925 and earned his medical degree in 1947 from St Louis University. In 1950, he served in the military in World War II. After graduation, he returned to St Louis to join the firm of I.M. Simon in St Louis.

All of St Louis can be thankful for the dedicated and generous man he was, said his uncle, the firm is believed to be the third oldest New York Stock Exchange member firm west of the Mississippi River.

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

In addition to Washington University, the Simon also has made major contributions to St Louis University, including the Jack S. and Adaline Simon Chair of Ophthalmology, named for their personal physicians. The Simon Professorship in Economics, the Simon Plaza; and the Program in Experimental Medicine and Studies in the School of Business and Administration.

Simon served on the board of Maryville College from 1965 to the present. In recognition of his devoted service and generosity, Maryville's new business school bears his name.

Painter was survived by his wife, Sally Painter of St Louis; two daughters, Lucy Painter of New York and Anne Painter of Madison, Wis.; three sons, John Simon of St Louis, a psychiatrist, and Edward and John Simon of Madison, Wis.; and three grandchildren.

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. Armstrong was appointed to this post by Olin's dean, Robert C. Stull.

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.

The magazine's list highlights 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 option four-week session that alternates with work weeks in the two capital markets and the structure of the European Community.

Kemper grants spur innovative thinking — from page 1

The "best preparation for any profession is a broad liberal arts training," Kemper said. "The philosophy of Commerce Bank is management principles to undergraduates and marketing. The Kemper Corporation, a major college is named in honor of John and Adaline Simon.

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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. Armstrong received two honorary degrees, from Harvard University in 1918 and from Harvard University in 1918. She was in private practice in St Louis for more than 40 years, and he was professor of medicine at Washington University. His gifts and the successful development of the business bear his name.

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Kemper grants spur innovative thinking — from page 1

The "best preparation for any profession is a broad liberal arts training," Kemper said. "The philosophy of Commerce Bank is management principles to undergraduates and marketing. The Kemper Corporation, a major college is named in honor of John and Adaline Simon.

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. Armstrong was appointed to this post by Olin's dean, Robert C. Stull.

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. Armstrong received two honorary degrees, from Harvard University in 1918 and from Harvard University in 1918. She was in private practice in St Louis for more than 40 years, and he was professor of medicine at Washington University. His gifts and the successful development of the business bear his name.

The magazine's list highlights 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 option four-week session that alternates with work weeks in the two capital markets and the structure of the European Community.
Hilltop Campus

The following is a list of positions available on the Hilltop Campus. Information regarding the necessary requirements will be available at the Office of Human Resources, Room 200 North Brookings Hall, or by calling 314-933-3990.

Facilities Manager
41021. 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
9313. 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 American art; museum or gallery experience; strong research, public speaking and writing skills. Resume and three letters of recommendation required.

Department Secretary
41013. Student Data Services: Requirements: A college associate's degree preferred; 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 under pressure; must be easy to people; sensitive to the needs and mission of Washington University; capable of learning and articulating office procedures; willing to learn. Clerical testing and three letters of recommendation required.

Department Secretary
41013. Department Secretary: 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; mature; well-groomed; must have a pleasant personality; ability to work under pressure; must be easy to people; sensitive to the needs and mission of Washington University; capable of learning and articulating office procedures; willing to learn. Clerical testing and three letters of recommendation required.

Information Service Specialist
41013. Financial Aid: Requirements: High school graduate or equivalent; must be able to type 25 wpm with accuracy. Clerical tests and three letters of recommendation required.

Information Service Specialist
41013. Access: Requirements: High school diploma, typing 25 wpm with accuracy; must be able to type 25 wpm with accuracy. Clerical tests and three letters of recommendation required.

Secretaries
41013. George Warren Brown School of Social Work. Requirements: Some college, associate's degree preferred; typing 40 wpm; 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 spreadsheet applications; ability to coordinate, write and proofread. Clerical tests and three letters of recommendation required.

Administrator, Center for Mental Health Research
41013. George Warren Brown School of Social Work. Requirements: Master's of social work; a bachelor's degree in the social sciences; 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 or technical position. Resume and three letters of recommendation required.

Assistant/Associate Director of Development
41013. School of Engineering and Applied Science: Washington University is seeking a talented and qualified individual to serve, departmentally, as assistant or associate director of development for the School of Engineering and Applied Science. This is a permanent position in the Office of Alumni and Development. Position requires: Bachelor's degree and three years experience in alumni/development or closely related work. Preference will be given to individuals with development experience in high research-oriented institutions. Experience is dependent on experience and qualifications. Some travel is required. Excellent written, verbal, 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 163, 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. Employment opportunities presented in submitting a transfer request should contact the Human Resources Department of the medical school at 931-7109 or to the Human Resources Office located at 4460 Clayton Ave., Campus Box 8802, 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
41013. School of Medicine: Schedule: Some weekends required. Requirements: Bachelor's degree, bachelor's degree in biology, cell biology or related field preferred; well-groomed, well-spoken.

Medical Record Analyst II
41013. Room. Requirements: Bachelor of science graduate or equivalent, college degree preferred,(phlebotomy students; familiarity with computer terminology and medical records preferred.

Administrative Coordinator
41013. Medical School Office: Requirements: Associate's degree, fetal monitoring skills, empathy, ability to work, high school graduate or equivalent, two years of experience in an office setting; typing 40 wpm; well-groomed; experience in working in a diagnostic clinical lab.

Administrative Coordinator
41013. Internal Medicine. Requirements: Bachelor's degree; experience handling medical records; good organizational and communication skills; ability to work in a fast-paced environment with a high volume of individual and group patients. Knowledge of the medical record and ability to locate a specific patient, discharge summary, orders, etc. Experience with WordPerfect and Lotus 1-2-3 or other spreadsheet software; typing 60 wpm.

Professional Rater I
41013. Medical Psychology. Requirements: Bachelor's degree in medical psychology; ability to learn and apply the behavioral sciences — interviewing, testing — proficiency; good communication and organizational skills.

Medical Research Technician
41013. Research. Requirements: Bachelor's degree in biology, biochemistry or chemistry; additional experience in a research lab; experience with protein work helpful.

Secretary I
41013. Radiology. Requirements: High school graduate or equivalent; knowledge of medical terminology; ability to type 40 wpm; proficient; accurate, precise work and work well with others.

Clinical Lab Technician I
41013. Obstetrics and Gynecology. Requirements: Bachelor's degree in biology, chemistry or related field with one year of 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. Prout to assistant professor of surgery (orthopedic surgery); Diane M. Radcliff to assistant professor of surgery (general surgery). D. Gary Rater to professor of medicine (also professor of biochemistry and molecular biology); 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 otology.

Louis J. Rosenbaum to associate professor of clinical ophthalmology and visual sciences; Yvette I. Sheline to associate professor of psychology (June 1, 1992); Peter S. Rubin to professor of medicine (also professor of biochemistry and molecular biology); Richard D. Royal to professor of radiology; J. Evan Sadler to professor of biochemistry and molecular biology; Lambda F. Sato to associate professor of otology; Blaine M. Sayre to assistant professor of neurology; Robert E. Schmidt to professor of pathology; Allen Scalfani to professor of clinical endocrinology and metabolic disease (also assistant director of student education for oral and maxillofacial surgery) (Aug. 1, 1992); Yvette I. Sheline to assistant professor of medicine; 919.1. Joann M. Shuman to associate professor of medicine; David R. Sincock to assistant professor of physical therapy (Jan. 1, 1992); Joseph W. St. Germe to assistant professor of pediatrics (also assistant professor of pediatrics); J. Steven Satin to professor of biochemistry and molecular biology; *Llewelyn Sato Jr. to professor of clinical medicine; Yvette I. Sheline to associate professor of otology; Blaine M. Sayre to assistant professor of neurology; Robert E. Schmidt to professor of pathology; Allen Scalfani to professor of clinical endocrinology and metabolic disease (also assistant director of student education for oral and maxillofacial surgery) (Aug. 1, 1992).

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 services. The University work force should advocate common goals and interests between divisions, and establish and promote the use of electronic mail, video conferences and the like. The University should review the individual missions of University components and how they contribute to University goals and recommend appropriate action to the administration, related organizations involved.

Conclusion

With respect to the use of technology, this article takes this approach that real benefits and improvements to the interests of each component of the University and the University as a whole will come from the successful application of information technology. The University must encourage the necessary leadership, infrastructure and support mechanisms that make it possible for each component to move forward. We are committed to access and support for all will follow.