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

WASHINGTON UNIVERSITY

The Washington University women's volleyball team entered 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 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-fooot offensive dynamo, banged out 25 kills for a .485 hitting percentage and added a match-high five blocks. Albers pulled the Bears out of a 1-2 early deficit by pounding eight kills in game one. Fellow first-team All-Americans Nikki Firestone and Heather Blough of Juniata and Liang Gaik Khaw of Rochester Institute of Technology, 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, Jr., the founder of the William T. Kemper Foundation, 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 award has been created for people and his positive attitude toward 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 L.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 internment 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, Jr., the founder of the William T. Kemper Foundation, 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."

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New surgery for children with cerebral palsy offers quicker recovery

A new surgical procedure for children with cerebral palsy offers a quicker recovery period than the traditional surgery, say researchers at the School of Medicine. Their findings, which are in the November 1993 issue of Neurosurgery, make a surgical procedure called selective dorsal rhizotomy more accessible to many 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 ways to reduce spasticity in children with cerebral palsy are by selecting 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 Washington University 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 faster 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 surgery 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 six to nine 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 of their arms and legs. But if they have 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 when the baby is born, during pregnancy, at birth, or shortly after birth. In most cases of the disease are due to an injury to the brain when the baby is born, during pregnancy, at birth, or shortly after birth. Many children with cerebral palsy are born prematurely.

A new procedure called dorsal rhizotomy and joint deformities and other problems. Premature birth, 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 surgery 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 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 neuroradiology, 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 and a member of the editorial board of the Journal of Neurosurgery, has been appointed to the newly established Herbert Lourie Professorship in the Department of Neurological Surgery. Grubb, an internationally respected expert on cerebrovascular surgery and disease, is an associate professor at Washington University School of Medicine in 1973 as director of the neurosurgical service in neurological surgery and in radiology in 1983.

Robert L. Grubb Jr.

Shi H. Huang, M.D., a neurosurgeon and inter- national leader on the treatment of brain aneurysms, 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 several members of his neurosurgery residency 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 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 pathobiology 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 1967. After completing an internship and assistant residency in general surgery, he was named, in 1976, 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.
Williams enjoys challenges of dual roles

Jager 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 the student's third year, something which in point is Troy Wiewcasnitzka, a doctoral candidate in Ger-

tman Studies, who has known Williams since they began teach-
ing in the field of German studies, Williams says "Universities should provide comfortable spaces where students can 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 it productive 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 submitted a report now serving as a guide in planning the University's future.

Williams notes that her administrative and academic responsibilities "demand an ability to organize, persevere, think creatively, work with people of diverging opinions 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 be a career choice that could lead to others."

Carolyn Sanford

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 Witches: Witchcraft and the Discourses of Discovery and Divination." 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 Tubingen 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 Germanic 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 Stephen 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, which 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 the student's third year, something which in point is Troy Wiewcasnitzka, a doctoral candidate in Ger-

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Williams notes that her administrative and academic responsibilities "demand an ability to organize, perseveren, 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

"The duality of my position continues not only to be a challenge but also an absolute energy booster for me."
"Recent Acquisitions: Rare Books and Manuscripts Added to Special Collections." Through December. Olin Library, Special Collections, Level Five. Hours: 10 a.m.- 5 p.m., weekdays; 1-5 p.m., except holidays. The deadline for all entries is noon Tuesday before publication. Late entries will not be printed. The Record is printed one week prior to publication.

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Exhibitions

Thursday, Dec. 2
7 and 9 p.m. Filmboard Foreign Series. “Pather Panchali,” in Hindi with English subtitles. Room 100 Brown Hall. Cost: $3.

Friday, Dec. 3
7 and 9:30 p.m. Filmboard Feature Series, "A Christmas Story." (Also Dec. 4, same time and place.) Room 100 Brown Hall. Cost: Free.

Midnight. Filmboard Midnights for the arts.

Tuesday, Dec. 7

Exhibitions

Thursday, Dec. 2

Friday, Dec. 3


3:30 p.m. Division of Biostatistics seminar. “Statistical Methods for the Determination of Genotype X Environment Interactions.” Joel Blangero, associate, department of Biostatistics, University of California, Davis, CA. Room 200 South Building.

Tuesday, Dec. 7
1 p.m. Graduate student thesis defense. “In Vitro" and "In vivo" Evaluation of a Novel Anti-diabetic Agent.” Mark L. Looney, associate professor of pharmacology and physiology. Room 304 Crow Hall. (Telephone: 3:30 p.m., Room 245 Crow Hall.)

Thursday, Dec. 9
9:30 a.m. Student graduate thesis defense. "Molecular Analysis of Actin Capping Protein Functions." Wen-Yann Tzeng, graduate student. Room 816 McDonnell Medical Sciences Building.

10 a.m. Graduate student thesis defense. "Dopaminergic D2 Receptors: Pharmacology and Functional Implications." Lei Tang, graduate student. Room 521 Bixby Hall.

Friday, Dec. 10
12:10 p.m. Art lecture. "Sabbatical Works," in Phillips Collection. Audience: Free and open to the public, unless otherwise noted.

Lectures

Thursday, Dec. 2

Noon. Pediatrics seminar. "The Rat Liver Catalase Bile Acid Transport Protein Is Also an Atox-1Pase," C. Jeffrey Sippel, associate professor of pediatrics, Department of Pediatrics, Third Floor AUD, St. Louis Children's Hospital.

2-4 p.m. First Annual "Roper Day" program, presents a discussion of open heart surgery to honor Charles L. Roper, professor emeritus of surgery. Speakers will include G. Alexander Pagon, R. Sudhir Sundaram, Stuart S. Sigel, Carolyn M. Dreier, Joel D. Cooper. (Program continues at 3:45 p.m.)

Friday, Dec. 3


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Wednesday, Dec. 8


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Calendar guidelines

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

Calendar submissions should state time, date, place, sponsor, title of event, name of primary contact person and phone number. Calendar information must be submitted at least two weeks in advance. Quality promotional photographs with description and credits are encouraged. Photographs should be submitted as 3 x 5" color transparencies or 8 x 10" photographic prints. The deadline for all entries is noon Tuesday before publication. Late entries will not be printed. The Record is printed one week prior to publication. For an event to be included, it must be scheduled and its date must be on file by calling 452-9492.

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program has doubled to 10 from last year. The travel program is “a chance to learn, to grow and to network,” said Charles F. Zorumski, Gregory C. Couch and associate professor of neurology and associate prof., Dept. of Anatomy and Neurobiology. Room 216 Urbauer Hall.

Faculty expertise enriches travel program

The number of Washington University professors in the University's Passport to Knowledge travel program has doubled to 10 this 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 8 to 22 days.

For almost 20 years Washington University has been offering its alumni and friends opportunities to travel to every land imaginable, with great success. More than 60 percent of the alumni who participate in their first trip choose to 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 victor Robert Powers, Shreveport, La. Powers, who was named the Men and Women’s Swimming/Diving

Thursday, Dec. 2

7:30 p.m. 1993 International AIDS Conference, "Life After Berlin," sponsored by St. Louis AIDS Clinical Trials Unit, U.W., and joint event of AIDS Vaccines and Clinical Trials. St. Louis U. School of Medicine. Hyatt Regency Hotel, St. Louis U. Union Station, 367-2382.

Performances

Thursday, Dec. 2

8 p.m. Performing Arts Dept. Production, "Bluebeard's Castle," will be played at 7:30 p.m. by Jenen Nelson, playwright-in-residence, and guest, in theaters and performing arts, Stouffer-Mark, a local theater company. (Also Dec. 19, same time) Uehling Hall Lounge.

Men’s Basketball


This Week: at Illinois College, 7 p.m. (Friday); vs. Carleton, 6 or 8 p.m. (Saturday).

Season Record: 5-0

Carleton or Claremont-Mudd, 6 or 8 p.m. (Saturday).

Volleyball

—from page 1

in the Bear's nest 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 travel program 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 victor Robert Powers, Shreveport, La. Powers, who was named the Most Valuable Player of the 1993 NCAA Championshi-in-89 and 1990. The first 500 fans with a Washington University ID attending Friday night's game will receive a free Lopata Classic T-shirt, which features the 10th anniver-sary logo. Other promotions are planned throughout the week and during the tour-nament, including a halftime shotout on Saturday.

Men and Women’s Swimming/Diving

Last Week: This week: at Illinois College, 7 p.m. (Friday); vs. Carleton, 6 or 8 p.m. (Saturday).

Season Record: 1-3

After opening the season with four top NCAA Division III opponents, the Bears face another strong challenge this week-end with the 10th Annual Lopata Classic. 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.

Loapata 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 Basketball Classic, is possible by an endowed gift from Stanley Lopata, a Washington University alumnus and emeritus trustee, and his wife, Kitty. The purpose of the annual tour-nay is to bring together the 20-odd 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 other participants have included Swarthmore College, Pomona-Pitzer colleges, Trinity University and Whitman College. This year's 10th anniversary entrants are Babson College from Babson Park, Mass., Carleton College from Northfield, Minn., and Claremont-Mudd-Scripps colleges from Claremont, Calif.

Men and Women's Basketball


This Week: at Illinois College, 11 a.m. (Friday); against #11 Illinois, 11 a.m. (Saturday).

Season Record: 4-0

Carleton or Claremont-Mudd, 6 or 8 p.m. (Saturday).

Season Record: 4-0

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The following faculty received promotions effective July 1, 1993, unless otherwise noted. These promotions were on record as of Oct. 1, 1993. A dash following an asterisk signifies that the individual was granted tenure nearest to their names were promoted with tenure. (Not shown is the promotion of John F. Johnson, who will contain a list of the faculty members who have been granted tenure or appointed to tenure on the Hilltop and Medical campuses.)

**Hilltop Campus**

*Kenry E. Back to professor of finance of Oct. 1, 1992; Michael J. Flood to associate professor of chemistry; *Qian-Shu Chi to associate professor of mathematics; *Clark D. Cimangam to associate professor of computer science; *Fred Cox Davis to associate professor of Spanish (Dec. 1, 1992); *Arturo Brez to assistant professor of political science; Barbara J. Flagg to associate professor of law; *Nancy Morrow-Howell to associate professor of computer science; *Hamadi B. Paksu to associate professor of biology; *Ronald S. Indeck to associate professor of electrical engineering; *David L. Kraning to professor of law; Ronald R. King to associate professor of accounting; *Robert G. Brown to professor of biology; James T. Little to professor of finance and management; *Michael D. Muller to associate professor of computer science; *Richard D. Rabbitt to associate professor of mechanical engineering; David J. Tabak to associate professor of computer science; *Everett L. Shock to associate professor of systems and mathematics; *Everten L. Shock to associate professor of mathematical sciences; *David L. Wright to professor of mathematicians.

**Medical Campus**

Gail G. Ahumada to associate professor of clinical medicine; Dee C. Anderson to professor of radiology; A. Beck to assistant professor of clinical medicine; Alan B. Mo to associate professor of clinical medicine; Eric C. Bayer to associate professor of pediatrics and associate professor of cell biology and physiology (also assistant professor of medicine); Aaron Berthezn to assistant professor of clinical medicine; Nalini S. Bora to research assistant professor of ophthalmology; Kelly N. Bottor to assistant professor of medicine (July 1, 1992; June 1, 1992); William G. Brown to associate professor of clinical medicine; Eric J. Brown to professor of cell biology and genetics; Richard J. Burns to associate professor of medicine and associate professor of neuro- ophthalmology (May 1993); *Jeffrey F. Brown to associate professor of radiology; Audena Bruckbauer to associate professor of neurology (also associate professor of neurology in neurological surgery) (Jan. 1, 1991); Michael E. Cain to professor of medicine; Charles E. Carter to associate professor of pediatrics; David M. Chapman to associate professor of genetics (also associate professor of medicine and associate professor of medical microbiology) (July 1, 1992); *Cheryl M. Coffin to associate professor of pathology (August 1, 1993); *Amir M. Cofin to associate professor of pathology (August 1, 1993); *Arunee C. Cofin to associate professor of pathology (August 1, 1993); *Michael M. Cofin to associate professor of pathology (August 1, 1993); *Arunee M. Cofin to associate professor of pathology (August 1, 1993); *Arindra M. Cofin to associate professor of medicine and associate professor of neurology.

**Basic Science**

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**Observations**

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. The committee's report provides 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. A draft of the report is available at the A.D. provost and committee chair, via e-mail at MACIAS@WUCHEM or at Box 1080.

Alumnus Peter A. Niven is chairman of the committee. Other committee members are: Shirley Baker, dean of University Libraries; Robert Benson, associate vice chancellor for information resources and technology; Martin Dubetz, director, Office of Network Coordinator; Mark Fournier, director, Assistant Dean of Academic Information Management (School of Medicine); Dennis Martin, assistant provost, director of Financial Aid; Robert McDowell, director, Office of the Teaching Center; Edward S. Macias, director of Computing and Information Services.

**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 drawbacks as well. Many in the academic community feel the need to 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 computer and network use for communication, work and study. The international network would support video, data and voice programs, as well as a wide variety of telecommunication services, as well as the most advanced research tools. The proposed network would be accessible from desks, offices, classrooms, labs, residence halls and dorm rooms throughout the University, as well as from wherever faculty, students and staff are able to access the network. Access to worldwide information sources through the network. Access to worldwide information sources through the network can be achieved. Encouragement and support should be given to 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, residence halls and dorm rooms throughout the University, as well as from wherever faculty, students and staff are able to access the network. Access to worldwide information sources through the network can be achieved. Encouragement and support should be given to a wide variety of equipment, ranging from simple personal computers to the most advanced research tools.

**User charges and budgeting**


**Faculty receive promotions**

The following faculty received promotions effective July 1, 1993, unless otherwise noted. These promotions were on record as of Oct. 1, 1993. A dash following an asterisk signifies that the individual was granted tenure nearest to their names were promoted with tenure. (Not shown is the promotion of John F. Johnson, who will contain a list of the faculty members who have been granted tenure or appointed to tenure on the Hilltop and Medical campuses.)

**Hilltop Campus**

*Kenry E. Back to professor of finance of Oct. 1, 1992; Michael J. Flood to associate professor of chemistry; *Qian-Shu Chi to associate professor of mathematics; *Clark D. Cimangam to associate professor of computer science; *Fred Cox Davis to associate professor of Spanish (Dec. 1, 1992); *Arturo Brez to assistant professor of political science; Barbara J. Flagg to associate professor of law; *Nancy Morrow-Howell to associate professor of computer science; *Hamadi B. Paksu to associate professor of biology; *Ronald S. Indeck to associate professor of electrical engineering; *David L. Kraning to professor of law; Ronald R. King to associate professor of accounting; *Robert G. Brown to professor of biology; James T. Little to professor of finance and management; *Michael D. Muller to associate professor of computer science; *Richard D. Rabbitt to associate professor of mechanical engineering; David J. Tabak to associate professor of computer science; *Everett L. Shock to associate professor of systems and mathematics; *Everten L. Shock to associate professor of mathematical sciences; *David L. Wright to professor of mathematicians.

**Medical Campus**

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**Basic Science**

Continued on page 8
Marcia K. Armstrong named associate dean of Olin School

Marcia K. Armstrong, Ph.D., assistant professor of marketing at the John Mol. Olin School of Business at Washington University, has been named associate dean and director of executive education, effective March 1, 1989. The appointment was announced.

"Marcia Armstrong is recognized for her teaching and administrative abilities and for her dedication to helping others — that was the motivation behind her appointment," said The Rev. Jack Simon, a close personal朋友 of Armstrong's. "Simon's generosity was 'universal' — to help others that was the motivation behind his life and work."

"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 Painter of St. Louis; two daughters, Lynda Painter of New York and Anne Painter of Middletown, Conn., attended the luncheon.

"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 ranking, 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 professionals 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 option for four weeks in each of the three residencies and includes a trip to Japan.

"Class is not discussed in polite circles; it is an extremely charged word," Chris and I want students to think critically, to learn that knowledge is not compartmentalized," said King. "It is an essential part of the educational experience that does not require a sophisticated mathematical treatment."

"I am delighted that Marcia has agreed to serve as the new associate dean. Her academic background and professional experience make her an ideal choice for this position," said King. "Her dedication to teaching and her commitment to the needs of our students will be a great asset to the Olin School and Washington University."

"Marcia Armstrong brings a wealth of experience to her new role at Olin School. She brings with her a strong background in marketing and a passion for developing future leaders. Her appointment as associate dean is a testament to her leadership abilities and her commitment to excellence in education. I am confident that Marcia will continue to excel in this new role and make significant contributions to the Olin School and the broader academic community."

"I want students to think critically, to learn to find ideas together in new ways and to ask good questions that are not compartmentalized," Krantz said. "In fact, knowledge is a seamless landscape and you have to draw many disciplines. The students will attack these problems by using logic, evidence and experience. The course will be taught in spring.

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Faculty promotions — from page 6

Price to research assistant professor of epidemiology in psychiatry (July 1, 1992).
Donald L. Pratt to assistant professor of surgery (orthopedic surgery); Diane M. Raiter to assistant professor of surgery (general surgery); Jeffrey M. Reilly to assistant professor of medicine (general surgery); Mark W. Rothstein to assistant professor of medicine; Brock D. Ridenour to assistant professor of otolaryngology; Louis J. Rosenthal to associate professor of clinical metabolism and molecular biology; and Mark W. Rothstein to associate professor of medicine (also associate professor of psychiatry). Resume and three letters of recommendation required.

Medical Campus — from page 10

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. In the event of employment, an assistant or associate director of development for the Office of Alumni and Corporate Relations, Washington University, 4480 Clayton Ave., Campus Box 8002, St. Louis, Mo. 63130-4899.

Medical Research Technician — from page 6

Requirements: Bachelor's degree in biology, biochemistry or related field; experience with protein work helpful. Resume and two letters of recommendation required.

Medical Campus — from page 6

Associate/Associate Director of Development — from page 6

Requirements: Bachelor'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 people; to be sensitive to the needs and mission of Washington University; to be flexible; willing to learn. Clerical testing and three letters of recommendation required.

Biochemistry and Molecular Biophysics — from page 6

Associate professor of biochemistry or related field; experience in molecular biology research; expertise in working with radiotopes and autoradiography. Resume and three letters of recommendation required.

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