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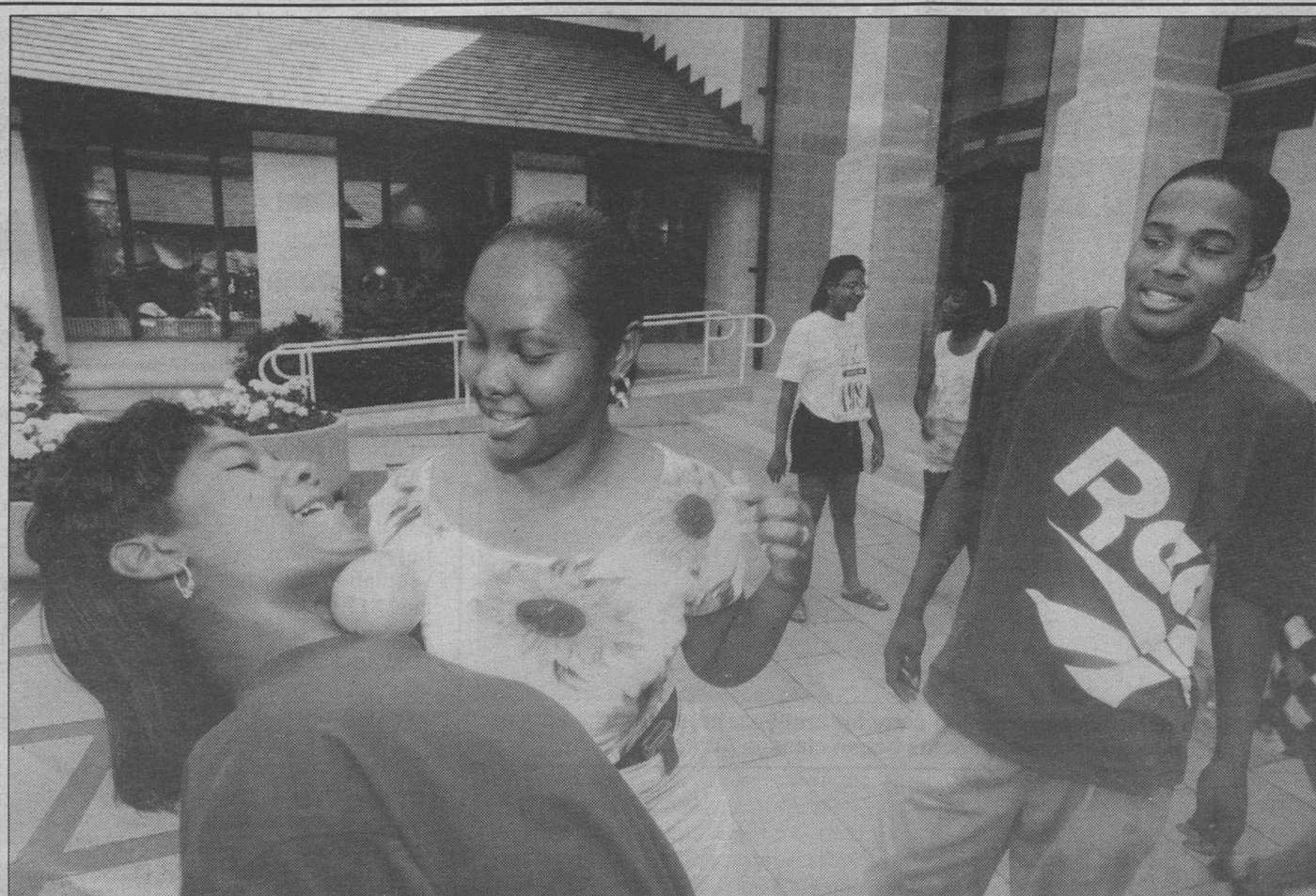
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Record

WASHINGTON
UNIVERSITY
IN ST. LOUIS

Vol. 19 No. 35 Aug. 17, 1995



From left, high school students Ada Sams, Cerise Cohee and Leonard Toms participate in a confidence-building exercise. The exercise was part of the Minority Youth Entrepreneurship Program, which encourages minority teens to think of operating their own business as a viable career alternative. The program, offered each summer to about 40 high school juniors from the St. Louis region, is sponsored by the John M. Olin School of Business and the Urban League of Metropolitan St. Louis.

Back to school

University mentors explain latest research methods to high school teachers

Ten St. Louis-area high school biology teachers are at Washington University this summer as part of an innovative research transfer program.

The program, sponsored by the American Society for Biochemistry and Molecular Biology (ASBMB), based in Bethesda, Md., involves high school teachers who work on cutting-edge research with university mentors. These clusters of university and high school teachers exist in several regions throughout the United States.

The teachers, many of whom have been away from university laboratories since their undergraduate days, are provided a \$5,000 stipend for the 12-week experience, as well as \$500 to provide materials for new experiments in their high school laboratories during the upcoming school year. Their goals are to learn new techniques in biochemistry and molecular biology and to transfer some of their knowledge into high school laboratory experiments and lessons.

"The program seeks to make high school teachers aware of what's happen-

ing in modern biology," said Sarah C. R. Elgin, Ph.D., professor of biology and ASBMB mentor of Todd Gienke, a high school teacher at Whitfield School in St. Louis. "There's been a revolution in modern biology over the past 10 years, and many high school teachers who graduated in the 70s and early 80s, for instance, haven't had opportunities to keep current with these techniques and developments."

The National Science Foundation (NSF) has teamed up with ASBMB this year to sponsor 50 high school teachers nationwide in the summer programs. Washington University has a full 20 percent of the recipients practicing here. ASBMB is concentrating its program, now in its fifth year, on a "cluster" concept, which stresses interaction between the 10 high school teachers in weekly meetings where they share individual projects and expertise with their fellow teachers.

"This is our first funding of a cluster group, and we're interested to analyze the impact and note the feedback from the

concept," said Jack Priess, Ph.D., professor of biochemistry at Michigan State University and chair of the ASBMB educational affairs subcommittee. "We hope that by clustering teachers, more of the information will be shared and better dispersed."

Elgin said there has been much debate among science institutions that grant summer research opportunities to high school teachers over the best way to impart and spread the knowledge.

"Everyone agrees that the research experience is good for the teachers, but the concern is whether the practice of granting individual fellowships effectively gets the knowledge into the high school classroom," she said. "Personally, I like a model that lasts for two summers. So much is being packed into one 12-week session — including research, curriculum development, small group and whole group meetings — that it's hard to get an evaluation of the program's effectiveness. I think our cluster will be evaluated as a sort of benchmark for the cluster concept."

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Orientation connects new students to campus computer network

From showing students how to "Get Connected" to the campus-wide computer network, to acquainting them with South 40 activities, this year's orientation program is designed to help Washington University's approximately 1,200 new students "make the most of their four years," said Marcia Hayes-Harris, director of orientation in the Division of Student Affairs.

The 1995-96 orientation program is scheduled for Aug. 18-23. Besides explaining how undergraduates can take advantage of a myriad of opportunities throughout their stay at Washington, orientation also will promote small-group

interaction among students and their peers, faculty and administrators in an attempt, through informal settings, to make students feel comfortable with their new environment, said Hayes-Harris. Both the Task Force on Undergraduate Education and the University Management Team's Student Experience Cluster have made recommendations encouraging such emphases during orientation.

The new orientation programs are "Get Connected," a series of hourlong sessions where students can try out a host of computer network options available at the University; "Forty Fest," which allows students to explore the South 40 with their

newly arrived peers; and "Discovering Washington University." James E. McLeod, dean of the College of Arts and Sciences, will offer advice on beginning the transition to college during this event.

"Get Connected" is the brainchild of Kristen J. Mathews, a 1995 alumna of the College of Arts and Sciences. Mathews, who received a bachelor's degree in mathematics and political science, with a minor in philosophy from Washington University, said she felt new students could benefit greatly from learning about resources available on the campus-wide network and the Internet. Mathews, who

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Inauguration set, community invited

Mark S. Wrighton became the 14th chancellor of Washington University July 1 and will be installed Oct. 6 as part of a daylong celebration featuring the installation, a symposium, a student festival, a campus-wide reception and other activities.

"Because Chancellor Wrighton came on board during summer break, the inauguration will mark the first official venue during which the University community can see and hear him in person," said David Blasingame, chair of the Inauguration Steering Committee and vice chancellor for Alumni and Development Programs. "The events associated with the inauguration have been designed so that as much of the University community as possible can attend. This will be an historic day in the life of Washington University."

Inauguration day, which is being hosted by the University's Board of Trustees, will begin with the Inaugural Symposium. Members of the Washington University faculty will discuss "Learning and Discovery: Gateways to the 21st Century."

"The general theme of learning and discovery being the gateways to the 21st century is related to the University's dual emphasis on research and teaching," said Daniel Shea, Ph.D., chair of the Inaugural Symposium and chair of the Department of English. "The symposium panelists will discuss challenges on the research front and those before us as educators. It is an opportunity to sound the themes that will be central to the efforts of the new leadership in the University."

At least 10 faculty from a variety of disciplines will form two panel sessions. "They will be talking about their own research but also talking with each other about challenges in common and how to help one another — how discoveries may be interdependent across fields," Shea said.

"The point of the symposium is to look for new possibilities for cooperation and cross-fertilization and to examine how our ways of doing research should influence the way in which we teach," he continued. "We're teaching students not just the subject matter; we're teaching them how to learn and to be discoverers themselves."

Question-and-answer periods and closing remarks delivered by Chancellor Wrighton will conclude the two panel sessions.

The symposium, which is open to the Washington University community, re-

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Mark S. Wrighton

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Removing brain tumors leaves "normal" tissue riddled with migrating cancer cells; finding raises questions about treatment

Beating the odds 3
Many patients with end-stage lung diseases are benefiting from lung transplants thanks to surgeon Joel Cooper, M.D.

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Assembly Series announces fall speakers

Medical Update



Medical students congregate around a cooler of frozen custard at a welcoming party for first-year students. The annual party is hosted by the sophomore class. First- and second-year medical students began classes Aug. 14.

BJC Health System announces recipients of funding awards

The BJC Innovations in Healthcare Program has announced its first-cycle funding awards. This new grant program was designed to fund short-term projects that investigate ways to improve the value of healthcare delivered in the BJC Health System.

The following awards were given:

Lawrence T. Goodnough, M.D., and **Terri Monk, M.D.**, Barnes Hospital; a study of acute normovolemic hemodilution as a cost-effective method of blood conservation for surgical patients, \$20,000.

Dorothea Mostello, M.D., School of Medicine, a trial of outpatient cervical ripening with dinoprostone gel to reduce the admission-to-delivery interval in pregnant women having induction of labor at term, \$18,631.

Marin Kollef, M.D., School of Medicine, evaluation of a standardized formal bedside assessment for weaning compared to physician-order directed weaning in patients requiring mechanical ventilation at Barnes and Jewish hospitals, \$17,652.

Pam Lesser, Barnes Hospital, a randomized, controlled study on the effect of a lay, trained labor assistant on birth outcomes, \$20,000.

Robert P. Foglia, M.D., St. Louis Children's Hospital, a comparison of early hospital discharge with daily outpatient burn care with continued inpatient burn care in children, \$18,400.

J. Russell Little Jr., M.D., School of Medicine and Jewish Hospital; **Patrick Murray, Ph.D.**, Barnes Hospital; a comparative study of blood culture contamination following venipuncture site disinfection with iodophor vs. iodine, \$6,160.

Craig H. Leicht, M.D., and **Joseph P. Slimack, M.D.**, Missouri Baptist Medical Center; post-operative regional analgesia for major orthopaedic lower extremities at Missouri Baptist Medical Center, \$16,600.

Sonja Howard, Christian Hospital Northwest; **Kathleen Dougherty**, Christian Hospital Northeast; the efficacy of early continuous lateral rotation therapy on mechanically ventilated intensive care unit patients in some diagnostic-related groups, \$2,800.

Nomads in the brain

Brain tumor treatment needs to shift gears, neurosurgeon says

Removing deadly brain tumors diffuses a bomb but leaves a minefield because the "normal" brain tissue remains riddled with migrating tumor cells. New research shows that these cells can generate new tumors and that the drug Taxol, an experimental treatment for brain cancer, speeds the movement of brain tumor cells.

The American Cancer Society estimates that primary brain tumors will appear in 17,200 Americans in 1995 and kill 13,300. The most common primary brain tumor of middle-aged adults is the malignant glioma, which usually kills patients within two years after diagnosis.

Although glioma cells do not metastasize to other parts of the body, they wander through the brain, causing death from generalized brain dysfunction. "By the time the tumor is found, the cat is out of the bag," said Daniel L. Silbergeld, M.D., assistant professor of neurological surgery and of anatomy and neurobiology.

Silbergeld has devised ways to monitor

the amoeba-like cells as they creep over the surfaces of plastic dishes. He was surprised to find that the cells traveled 3 centimeters in four days — 600 times their length. The most active came from patients with the most malignant brain tumors. "This supports the idea that the degree of malignancy of a brain tumor relates to the ability of its cells to migrate into other parts of the brain," Silbergeld said.

Silbergeld and his team (Michael Chicoine, M.D., and research technician Cynthia Madsen) knew that the anti-cancer drug Taxol "locks up" the cellular skeleton, which assembles and disassembles as a cell moves. "We thought that giving Taxol to the cells would prevent them from moving and present a double whammy to these tumors," he said.

Just the opposite happened. Although Taxol killed many of the cultured glioma cells, it made the survivors migrate faster than ever, in a dose-dependent fashion.

Taxol is being given to brain tumor patients in Phase II clinical trials. "But our

findings raise a cautionary note," Silbergeld said. "We may be making brain tumor cells more invasive. Taxol may also affect the migration of tumor cells in patients with ovarian and breast tumors."

Silbergeld's team also has implanted either rat brain tumor cells or brain tumor cells that had migrated from the tumor into the brains of healthy rats. Both formed new tumors at the same rate.

Silbergeld said he believes investigators should shift their focus away from visible tumors. "Because surgery alone will not cure these tumors, we need to pay more attention to the migrating cells," he said. "By exploiting differences between the invasive cells and the cells in the tumor, we may be able to devise better therapies."

These studies were supported by grants from the National Institutes of Health and Washington University's McDonnell Center for Molecular and Cellular Biology. They were published in the April issues of the *Journal of Neurosurgery* and *AntiCancer Drugs*.

— Linda Sage

Alan Schwartz named head of pediatrics department

Alan L. Schwartz, M.D., Ph.D., Alumni Endowed Professor of Pediatrics, has been appointed head of the Department of Pediatrics.

The appointment was announced by William A. Peck, M.D., vice chancellor for medical affairs and dean of the School of Medicine. Schwartz will replace Harvey R. Colten, M.D., who is stepping down after nine years as department head to pursue his research on the biochemistry and genetics of inflammation and pulmonary diseases.

Schwartz will serve as pediatrician-in-chief at St. Louis Children's Hospital and Barnes Hospital and as a staff physician at Jewish Hospital. All three hospitals are sponsoring institutions of the Washington University Medical Center.

"Dr. Schwartz brings to this most important position outstanding talents as a researcher, clinician, educator and administrator," Peck said. "His leadership will perpetuate and enhance one of the premier academic pediatric programs and children's hospitals in the world,

thereby continuing the fine work of his predecessors."

Schwartz joined the School of Medicine faculty in 1986 as professor of pedi-



Alan L. Schwartz

iatrics and pharmacology and head of the Division of Pediatric Hematology/Oncology. He was named Alumni Endowed Professor of Pediatrics a year later. Schwartz, also professor of molecular biology and pharmacology, was named Teacher of the Year at the School of Medicine in 1988. He developed and heads a graduate education program called the Markey Pathway, which teaches doctoral and postdoctoral fellows about human biology.

Schwartz is renowned for his pioneering research in the field of receptor-

mediated endocytosis, an area of receptor biology. Receptor-mediated endocytosis is the process by which protein molecules from outside a cell gain entrance. Once inside, they provide that cell with growth control information, nutrients or signals that instruct it to develop or differentiate.

His research addresses the biology of nutrient transport to the fetus as well as the molecular regulation of the turnover of proteins involved in blood clotting and clot dissolution. He has extensively studied tissue plasminogen activator, a drug used to treat blood clots.

Schwartz received the Young Investigator Award from the Society of Pediatric Research in 1983 and an American Heart Association Established Investigator Award from 1985-1990. He serves on many national and regional committees related to child health and oncology and also serves on numerous editorial boards. In addition, he is Distinguished Visiting Professor of Cell Biology at the University of Utrecht in the Netherlands.

Record

Editor: Deborah Parker, 935-5235, Box 1070

Assistant vice chancellor, executive director, University Communications: Judith Jasper

Executive editor: Susan Killenberg

Editor, medical news: Diane Duke, 362-9662, Medical School Box 8065

Assistant editor: Carolyn Sanford, 935-5293, Box 1070

Production: Galen Harrison

Record (USPS 600-430; ISSN 1043-0520), Volume 19, Number 35/Aug. 17, 1995. Published for the faculty, staff and friends of Washington University. Produced weekly during the school year, except school holidays, and monthly during June, July and August by the Office of Public Affairs, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, Mo. 63130. Second-class postage paid at St. Louis, Mo.

Address changes and corrections:

Postmaster and non-employees: Send to Record, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, Mo. 63130.

Hilltop Campus employees: Send to Office of Human Resources, Washington University, Campus Box 1184, One Brookings Drive, St. Louis, Mo. 63130.

Medical Campus Employees: Send to Payroll Office, Washington University, Campus Box 8017, 660 S. Euclid, St. Louis, Mo. 63110.

Washington
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Cooper broke lung transplant barrier

Joel Cooper, M.D., the revered lung transplant surgeon, rattles off the patient's name and transplant date as if it were yesterday. "Tom Hall. Nov. 7, 1983."

Doctors and their medicine could offer little hope for Hall, a 58-year-old Canadian hardware executive who was dying of a progressive lung disease called pulmonary fibrosis. He lived confined to a wheelchair and tethered to an oxygen tank.

Hall needed a new lung. But at a time when surgeons regularly were transplanting hearts, livers and kidneys, no surgeon successfully had broken the lung transplant barrier.

When Cooper, then head of thoracic surgery at the University of Toronto, told Hall that only 44 lung transplants had been attempted worldwide and none of the patients lived more than a few weeks, Hall eagerly responded, "I'm grateful to have the opportunity to be No. 45," Cooper recalled.

Lung transplant patients who made it through the tedious surgery routinely ran into fatal trouble several weeks later when their airway connections stubbornly refused to heal. Cooper and his co-workers retreated to the lab to find out why. The airway problem was thought to be a sign of organ rejection, but Cooper wasn't so sure.

In a series of experiments, Cooper removed one lung from each of several dogs and then gave the lung back to the same dog from which it came. The airway connections healed normally. But when he gave the dogs prednisone, an anti-rejection drug commonly prescribed in high doses to stem the tide of invading immune cells, the airway connections fell apart.

Prednisone, a steroid, stops the inflammation crucial to wound healing, Cooper noted. When cyclosporin, a more powerful anti-rejection drug, became available in 1983, Cooper demonstrated that it could be substituted for prednisone without the adverse airway effects. With the airway problem solved, Cooper was ready to give lung transplants another try.

So on the night of Nov. 7, 1983, in a surgery led by Cooper, Hall received his transplant. Several weeks later, while Hall was still in the hospital, Cooper got the phone call he had hoped would never come. Hall appeared to have developed an air leak in the new lung — a sign that the airway connection was failing.

"My heart absolutely sank," Cooper recalled. "We had worked for years on that problem and if we were going to lose him, I didn't want it to be from an airway complication. That would have set us back very badly."

When Cooper examined Hall a short time later, he was relieved to find the airway connections intact. A small air pocket had broken on the surface of Hall's transplanted lung, but the condition was not serious.

"It was one of those situations where you are afraid to hope," Cooper said. "You don't allow yourself to imagine that the transplant is going to be successful because you don't want to be too disappointed."

Hall beat the dismal lung transplant odds. He returned to work several months after his surgery and lived for seven active and enjoyable years before dying of kidney failure. Cooper was credited with performing the world's first successful single-lung transplant.

Developing a world-renowned transplant program

Cooper, who now is the Joseph C. Bancroft Professor of Surgery and head of the section of general thoracic surgery, left Toronto in 1988 to establish a lung transplant program at Washington University. Shortly after his arrival in St. Louis, he performed the world's first successful double-lung transplant. The procedure, which involves transplanting two lungs into one patient, offered the first glimmer of hope for cystic fibrosis patients who suffer from infections in both lungs.

Today, many patients who otherwise would have died from end-stage lung diseases are benefiting from lung transplants. Last year alone, some 700 patients in the United States received lung transplants. Seventy-six of those surgeries were performed at Barnes and St. Louis Children's hospitals.

Cooper's vision and drive for excellence helped him to create the School of Medicine's world-renowned lung

transplant program. The program, now headed by Cooper's colleague Alec Patterson, M.D., professor of surgery, enjoys an unprecedented 94 percent success rate.

Part of the success of the lung transplant program at Washington University is directly due to the program Joel Cooper developed in Toronto, said Patterson, who followed Cooper from Toronto to St. Louis. "Joel is incredibly bright and energetic, and extremely generous with his time and ideas. He recruited top people here and insisted upon having the specially trained staff and facilities crucial to an outstanding program. A less visionary person would not have been as successful."

But Cooper is quick to caution that the surgery is not a cure for emphysema. "These patients may continue to experience deterioration from emphysema, but if we can reset the clock by two, three, four or five years, maybe more, then we think it will be very worthwhile."

Cooper and his co-workers are continuing follow-up studies on patients who have undergone the surgery. "The bottom line is we're enthusiastic," Cooper said. So far, four patients have died following the surgery. Two were over the age of 70, which has caused Cooper to re-evaluate the criteria for surgery in this age group.

Since Cooper first presented results of the new sur-

gery at a meeting of the American Association for Thoracic Surgery in April 1994, his office has fielded more than 1,000 phone calls from patients interested in learning more about the procedure. Only patients who have quit smoking are considered for the surgery.

Cooper was born and raised in Charleston, W.Va., the son of an orthodox Jewish rabbi. As a teenager, Cooper dreamt of becoming a neurosurgeon. He studied pre-med courses at Harvard College and graduated with honors in 1960. He then enrolled in Harvard Medical School, where he initially pursued his interest in neurosurgery. But his enthusiasm was dampened after he saw firsthand the grim prospects for caring for these young patients, many of whom suffered from brain tumors or other devastating neurological conditions.

Cooper retained an interest in surgery and after graduating from Harvard Medical School in 1964, he accepted a surgery internship at Massachusetts General Hospital. The Harvard-affiliated hospital had one of the few respiratory care units in the country, and it was there that Cooper developed an interest in pulmonary physiology and respiratory care.

Under the direction of Hermes Grillo, M.D., a well-known pioneer in surgery of the airway, Cooper conducted research on airway injuries that occur in patients on ventilators. He traced the injury to a rigid cuff around the airway tube. That observation led the pair to develop a soft cuff, a version of which is used today in virtually all endotracheal and tracheostomy tubes.

"He was among the best," said Grillo. "He was a very bright guy. I saw him as a coming star."

In order to get the proper training in thoracic surgery, Cooper trained in Boston and London before settling in Toronto in 1972. After building a successful lung transplant program at the University of Toronto, Cooper said he was ready to move on. He and his wife, Janet, wanted their four sons to be educated in the United States, and the Canadian government's cutbacks in medical research funding were beginning to hurt the university's research program. "And, too, I think I was beginning to coast a little bit and I'm not a coaster. I like a challenge," he said.

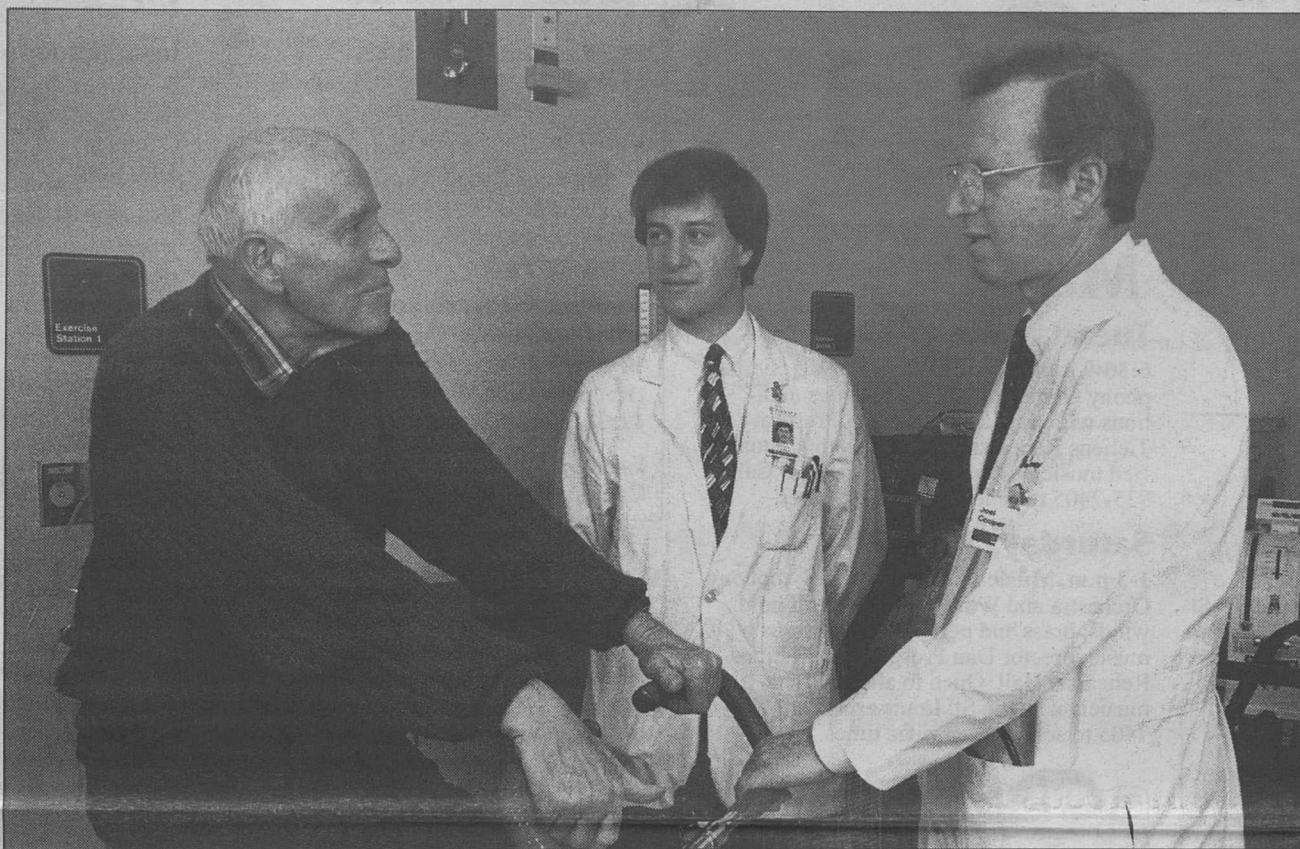
"As it turns out, I was able to have my cake and eat it, too," Cooper said. "I've found an extremely supportive environment here. And we have a stronger program here than I ever could have had in Toronto."

Cooper's love for his work appears to have had at least some influence on his oldest son, Josh, who is a fourth-year medical student at Washington University. The younger Cooper, who is trying to decide between a career in internal medicine or surgery, said his father has taught him a lot about caring for patients. "Your involvement and care for patients never ends," said Josh Cooper. "You don't punch out at the end of the day and leave the care of your patients with someone else. My dad is notorious for being on the phone when he's away from the hospital. I think his patients understand how much he cares for them."

Cooper generously credits his wife for playing a leading role in raising their children and providing stability in their household while he spent long hours at the hospital. Even today, he rarely arrives home from work before 9 p.m., which is a problem for someone who also is an avid gardener.

He and Janet have installed floodlights in their backyard, which enable them to enjoy their hobby even at night. "We sometimes plant flowers at two o'clock in the morning. The neighbors think we're a little crazy."

— Caroline Decker



Joel Cooper, M.D., left, and his son, Josh, a fourth-year medical student, consult with pulmonary patient John Loire.

"You don't allow yourself to imagine that the transplant is going to be successful because you don't want to be too disappointed."

Surgery helps emphysema patients breathe easier

Cooper's extensive experience with lung transplants recently has led to the early success of a new surgery for patients with severe emphysema. The procedure, called volume reduction surgery, involves removing the most damaged portions of emphysema patients' lungs. Reducing the size of the lungs dramatically improves lung function and helps patients breathe easier.

Cooper performed the first procedure in January 1993. Since then, more than 100 patients have undergone the surgery at Barnes Hospital. The overall improvement in patients' breathing capacity is 65 percent. "For these severely disabled patients, this translates into a marked improvement in the quality of their lives," Cooper said.

Emphysema, most often caused by cigarette smoking, afflicts an estimated 1.6 million Americans. The irreversible disease causes the lungs to lose their elasticity, damaging their ability to expand and relax as a person breathes. Over time, less oxygen gets into the bloodstream, and, to compensate, the lungs enlarge until they fill the chest cavity.

"Emphysema is like breathing in as far as you can and living with your chest in that position for the rest of your life," Cooper said. "That's what happens to these patients — their lungs are fully expanded and they can barely breathe."

Until now, the only hope for patients with end-stage emphysema was a lung transplant. "Had it not been for the observations made in our transplant program, we would not have had the confidence to think emphysema surgery may be beneficial," Cooper said.

During lung transplants, Cooper found that an emphysema patient's overextended rib cage and flattened diaphragm immediately returned to a more normal configuration following surgery. He also noticed that the severity of emphysema damage often varied from one portion of the lung to another.

Calendar

Aug. 17-26



Exhibitions

"The Keenest of Senses: Celebrating the Becker Rare Book Collection in Ophthalmology." Printed treasures in ophthalmology and the visual sciences from four centuries. Through Dec. 22. Glaser Gallery, The Bernard Becker Medical Library, 660 S. Euclid Ave. Hours: 9 a.m.-9 p.m. weekdays; 1-5 p.m. weekends. 362-4239.



Lectures

Friday, Aug. 18

7:30 p.m. Astronomy lecture. "From Dust to Fire: The Youngest Stars," Bruce A. Wilking, prof. of physics, U. of Missouri-St. Louis. The lecture is being presented as part of the August meeting of the St. Louis

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.

Astronomical Society and is co-sponsored by the Dept. of Earth and Planetary Sciences and the NASA Missouri Space Grant Consortium. Room 162 McDonnell Hall. 935-4614.

Friday, Aug. 25

9:15 a.m. Pediatric Grand Rounds. "Endocrine Tumors in Children," Michael A. Skinner, asst. prof., Dept. of Surgery, Division of Pediatric Surgery. Clopton Aud., 4950 Children's Place. 454-2706.



Music

Tuesday, Aug. 22

6:30-9 p.m. Music auditions. WU Symphony Orchestra will hold strings auditions with music director Dan Presgrave in Tietjens Rehearsal Hall. Open to all qualified musicians in the St. Louis area. Call 935-7405 to schedule specific times.

Saturday, Aug. 26

1-3 p.m. Music auditions. WU Symphony Orchestra and Wind Ensemble will hold winds, brass and percussion auditions with music director Dan Presgrave in Tietjens Rehearsal Hall. Open to all qualified musicians in the St. Louis area. Call 935-7405 to schedule specific times.



Performances

Wednesday, Aug. 23

7-11 p.m. Performing arts auditions. The Performing Arts Dept. will hold auditions for the fall productions. Auditions continue Aug. 24, same times. Open to WU community only. Sign-up held at Room 314 Mallinckrodt Center. Auditions will be held in Edison Theatre and the Drama Studio, Mallinckrodt Center. 935-5858.

Inauguration schedule of events

The following events will take place on Oct. 6 and 7.

Inaugural Symposium on "Learning and Discovery: Gateways to the 21st Century"

May Auditorium, John E. Simon Hall
8:30 a.m. Continental Breakfast
9:00 a.m. Session I
10:15 a.m. Break
10:30 a.m. Session II
11:45 a.m.-Noon Closing Remarks by Chancellor Mark S. Wrighton

Inaugural Festival (Student event)

Bowles Plaza
(Rain Location: Mallinckrodt Center)
Noon-2:30 p.m.

Inaugural Luncheon for Invited Guests

Women's Building Lawn
(Rain Location: Francis Gymnasium)
12:30 p.m.-1:30 p.m.

For more information, contact the Inauguration Office, Washington University, Campus Box 1246, One Brookings Drive, St. Louis, MO 63130-4899, 935-8616.

Robing

Holmes Lounge in Ridgley Hall for Delegates
Olin Library for Washington University Faculty
2:15 p.m.

Procession

2:45 p.m.

Installation Ceremony

Brookings Quadrangle
(Rain Location: Field House, Athletic Complex)
3:00 p.m.

Inaugural Reception

Women's Building Lawn
(Rain Location: Athletic Complex)
4:30 p.m.

Inaugural Gala (Student event)

Field House, Athletic Complex
8:30 p.m.-2:00 a.m.

Students plan Inauguration events — from page 1

quires no registration. "We're going to make a point of encouraging students to attend the symposium," Shea said. "If I were a student, I would be listening to appraise the relevance of my education to the work of the 21st century."

Following the Inaugural Symposium will be two events, one for students and one for visiting dignitaries representing other universities and learned societies, and other special guests. For students, the Inaugural Festival will begin at noon in Bowles Plaza. The other event, for invited guests, is the Inaugural Luncheon. It will begin at 12:30 p.m. in a tent on the Women's Building lawn.

Beginning at 2:45 p.m., a procession of visiting delegates and Washington University faculty will make its way to Brookings Quadrangle for the Installation Ceremony, which begins at 3 p.m. The ceremony will feature brief remarks by representatives of the Board of Trustees, the faculty, the student body, the adminis-

tration and staff, and the alumni and parents. Chancellor Wrighton will make his inaugural address during the ceremony.

"This will be an opportunity for the entire University community to hear from Chancellor Wrighton about his vision and priorities for the future of Washington University," said Blasingame. "After all, inaugurations represent new beginnings."

The Inaugural Reception at 4:30 p.m., which will include refreshments and student entertainment, will be held on the Women's Building lawn and is open to the entire University community.

The evening student event, an Inaugural Gala at 8:30 p.m. in the Field House, will be the final inauguration-day event. The gala is a semi-formal dance that will offer students the opportunity to meet Chancellor Wrighton.

Above is a preliminary schedule of events for the Oct. 6 inauguration. Upcoming issues of The Record will contain more inauguration information.

Orientation promotes interaction between faculty, new students — from page 1

begins law school this fall at Boston College in Newton, Mass., created a proposal and drummed up support from several student groups and administrators, said Kathy Atnip, associate director of Student Computing Services.

Nine "Get Connected" sessions will be held simultaneously on Tuesday, Aug. 22, at various campus computer labs. As of July 31, about 200 students had signed up for the sessions led by residential computer consultants, who also are students and live in the residence halls. Atnip said she hopes that more than 500 students will sign up before the event begins.

In keeping with such orientation themes as introducing students to campus resources and helping them get to know each other, "Get Connected" will show students how to communicate with faculty and friends through e-mail and learn about campus resources via the World Wide Web — the interlinked digital space for thousands of Internet users. The sessions will be "an hourlong introduction to everything," noted Atnip, adding that students will receive "I Got Connected" buttons and a pamphlet containing computer tips.

Among the offerings on the World Wide Web are the University's Career Center and Campus Bookstore services, along with the Washington University home page — introductory screens with photos and a list of links describing the institution. By using the home page,

individuals can find more information about topics ranging from student services to the online calendar to the Washington University Libraries. WorldWindow on the Internet enables students to access material in libraries and other resources around the globe.

To introduce students to their new home, "Forty Fest" will be held on Friday, Aug. 18, at various locations on the South 40. Representatives from KWUR, the student-run radio station, will provide music as the newcomers discover social outlets and affiliated organizations. As part of the fun, the Congress of the South Forty will be showing movies in Ike's Place, Wohl Center. Representatives from the University Police Department, who have a substation housed in Ike's Place, will distribute whistles. Student Union leaders will congregate in JKL Plaza to welcome new students, and resident advisers (RAs) will greet them from the duty lounge at Umrath Hall. Orientation leaders also will be available to help.

During "Discovering Washington University," which will be held on Sunday, Aug. 20, McLeod will examine how students can explore the University and shape their four years here. Sophomore Amber G. Chapin and seniors Jeremy D. Ackerman and Elsa L. Wentling will reflect on what they would do the same or differently if they were beginning college now.

"We're really excited about all the new programs because they offer members of the University community a chance to connect with students and their families — both individually and collectively," said Hayes-Harris.

Besides the new festivities, the orientation committee again is sponsoring St. Louis Live in Brookings Quadrangle, a picnic featuring food from popular local eateries and a variety of entertainment. New students will attend St. Louis Live on Sunday, Aug. 20, immediately after meeting with their faculty advisers. In order to provide more opportunity for faculty-student interaction outside the classroom, faculty advisers and their families have been invited to St. Louis Live this year.

"St. Louis Live is designed to create a more understanding relationship between faculty and students," said junior Eve Landman, who, as a programming assistant for the orientation committee, is helping to organize St. Louis Live. "If students see their advisers in a setting other than the office, students then see them as real people," added the biology and business major from Bellmore, N.Y.

Among the other activities are Chancellor Mark S. Wrighton's welcome to the Class of 1999; a faculty lecture by William R. Lowry, Ph.D., associate professor of political science, on "National Parks — How Does the Political

Process Affect the Future of These National Treasures?"; "Choices 101 — An Introduction to the First-Year Experience," featuring upperclass students performing skits; meetings with academic deans as well as faculty and peer advisers; ecumenical services; foreign language, mathematics and English placement tests; an orientation program for parents, including a session titled "Letting Go," in which Justin X. Carroll, dean of student affairs, details student services, and Karen Levin Coburn, associate dean for student development and co-author of "Letting Go: A Parents' Guide to Today's College Experience," hosts a presentation, along with upperclass students, on the travails and triumphs of the first-year experience; meetings on various career fields sponsored by the schools; a talent show with such performers as the Mama's Pot Roast student comedy troupe; a barbecue; a "Hilltop Hangouts" introduction to several campus hot spots for social gatherings, which includes square dancing in Bowles Plaza, a coffeehouse in The Gargoyle, ballroom dancing in Holmes Lounge, Ridgley Hall, and comedy film shorts in Brown Hall.

Also scheduled are a potpourri of events designed especially for international, commuter and transfer students.

For more information, call 935-6679.

— Carolyn Sanford

Richard Leakey, Amy Tan headline fall Assembly Series

The 36th Assembly Series opens on Aug. 30 with a lecture by Stephen Jay Gould, Alexander Agassiz Professor of Zoology at Harvard University. His lecture, titled "Evolution and Human Equality," is scheduled at 11 a.m. in Graham Chapel.

Gould has received numerous awards and honors, among them a National Book Award in 1981 for "The Mismeasure of Man." He teaches geology, biology and the history of science at Harvard.

A student/faculty committee plans Assembly Series lectures, which are free and open to the public. Some lectures may have limited public seating. Unless otherwise noted, lectures take place at 11 a.m. in Graham Chapel.

On Sept. 6 the fall series continues with the Woman's Club/Mortar Board Lecture that will feature a reading with commentary by feminist and cultural critic Katha Pollitt. In her pieces for The Nation, The New Yorker and The New York Times, Pollitt sidesteps partisan politics to take a fresh and provocative look at everything from date rape to surrogate mothering.

Henry Louis Gates, author and W.E.B. Du Bois Professor of the Humanities and chair of the Department of Afro-American Studies at Harvard University, will discuss multiculturalism and cultural diversity in his Sept. 13 address. Gates' book "Colored People: A Memoir" that describes his youth in the segregated town of Piedmont, W.Va., won wide acclaim when it was published last year.

Economist and philosopher Amartya Sen will give the Benjamin E. Youngdahl Lecture in Social Policy on Sept. 20. Sen's areas of interest include collective decision-making, international development, women's welfare and welfare economics. He also is renowned for developing a theory on the causation of famines. Sen's lecture is titled "Social Development: National and International Dilemmas." Sen holds joint appointments in the departments of Philosophy and Economics at Harvard University.

Richard Leakey, chairman of the National Museums of Kenya and former director of the Kenya Wildlife Service, will continue the series on Sept. 27 with a discussion of the relationship between humankind and the world in his talk, titled "The Sixth Extinction." Leakey is a world-renowned paleoanthropologist and

conservationist whose political opposition to the regime of President Moi led in 1994 to his resignation as director of the Kenya Wildlife Service.

On Oct. 11, political analyst Kevin Phillips will give a pre-election-year view of American politics in his address "Arrogant Capital: Washington, Wall Street and the Frustration of American Politics." An astute observer of the political scene, Phillips predicted in the late 1960s a national swing toward the political right in his book "The Emerging Republican Majority." Phillips writes a column for the Los Angeles Times and makes periodic contributions to The New York Times Magazine and The Washington Post.

This year's Olin Conference title is "Enlarging the Picture: Women in the Arts" and will feature film director Michelle Citron as the keynote speaker. Citron's address, titled "The Widening Frame: Women in Film," will take place on Oct. 18. Some of Citron's cinematic work will be shown at 8 p.m. Oct. 17 in Steinberg Hall Auditorium.

"The Rise and Fall of the Cigarette: Risk, Science and Disease" is the title of Alan Brandt's lecture at 4 p.m. Oct. 19 in Room 215 Rebstock Hall. This will be the Thomas Hall Lecture. Brandt, whose current projects include a social and cultural history of cigarette smoking in American life, is Amalie Moses Kass Professor of the History of Medicine at Harvard Medical School.

The Black Arts and Sciences Festival keynoter on Oct. 25 will be playwright, poet and novelist Ntozake Shange. Shange's 1976 choreo-poem, "For Colored Girls, Who Have Considered Suicide/When the Rainbow Is Enuf," was adapted for Broadway where it became a popular success. Born Paulette Williams, she adopted her African name in 1971 — Ntozake, "she who brings her own things," and Shange, "she who walks with lions."

On Nov. 2 Judge John T. Noonan Jr. of the Ninth U.S. Circuit Court of Appeals in San Francisco will give the Edward G. Welton Lecture in Religious Studies at 4 p.m. in the Courtroom, Mudd Hall. The title of Noonan's address is "Conscience Against Commonwealth and Church." Noonan has taught law at the University of Notre Dame and the University of California, Berkeley, where he also served as chair of religious studies and of

medieval studies. He has written widely on relations between the government and religion.

This year's Holocaust Memorial Lecture will take place on Nov. 8. Steven Katz, professor of Near Eastern studies at Cornell University, will address the subject "The Holocaust and Mass Death: Variations and Differences."

The Nov. 15 CHIMES Lecture, the final event of the fall series, will be a reading and commentary by author Amy Tan, whose first novel, "The Joy Luck Club" (1989), is a vivid account of life in

China and Chinatown and a compelling study of the generational and cultural gap between Chinese-born mothers and their American-born daughters. This best seller was followed by another in 1991, "The Kitchen God's Wife."

The Assembly Series receives support from Student Union and student groups, as well as from academic programs and departments. Recordings of Assembly Series talks are available in Olin Library's Special Collections on Level Five. For more information, call 935-4620.

Fall 1995 Assembly Series lineup

- Aug. 30 **Stephen Jay Gould**, "Evolution and Human Equality"
- Sept. 6 **Katha Pollitt**, *Reading and Commentary*
- Sept. 13 **Henry Louis Gates**, "Multiculturalism and Cultural Diversity"
- Sept. 20 **Amartya Sen**, "Social Development: National and International Dilemmas"
- Sept. 27 **Richard Leakey**, "The Sixth Extinction"
- Oct. 11 **Kevin Phillips**, "Arrogant Capital: Washington, Wall Street and the Frustration of American Politics"
- Oct. 18 **Michelle Citron**, "The Widening Frame: Women in Film"
- Oct. 19 **Alan Brandt**, "The Rise and Fall of the Cigarette: Risk, Science and Disease"
- Oct. 25 **Ntozake Shange**, *Black Arts and Sciences Festival*
- Nov. 1 **TBA**
- Nov. 2 **John T. Noonan Jr.**, "Conscience Against Commonwealth and Church"
- Nov. 8 **Steven Katz**, "The Holocaust and Mass Death: Variations and Differences"
- Nov. 15 **Amy Tan**, *Reading and Commentary*

Football Bears hope offseason commitment leads to playoffs

The payoff is the payoff. Since the conclusion of Washington's football season last November, that slogan has served as a daily reminder to players and coaches that hard work in the offseason is a key ingredient to the Bears' ultimate goal — a chance to play in the NCAA tournament.

Coming off a 7-3 campaign that produced a University Athletic Association (UAA) title, Washington has visions of lifting its football program to new heights in 1995. With 17 returning starters and a school-record 100-plus players on its roster, there is plenty of reason for optimism.

During the 1980s, the Bears won just 24 games and failed to produce a winning season. Since 1990, however, Washington already has chalked up 30 victories and four winning seasons.

"Goals such as the playoffs and a national championship are ultimate goals," said seventh-year coach Larry Kindbom, who has directed the Bear turnaround. "But the team is not good enough to go without any type of offseason commitment and expect to reach the goals of our program."

"The goals that we set for each player last season must be met before we can even begin to think about the next step. That has certainly helped us keep our focus for the season."

After earning a share of their first league title last year, the Bears sit in the new position of trying to repeat as league champion.

On paper, the Bears have the talent to contend for another conference crown.

Defensively, four all-conference players return, led by junior defensive end Aaron Boehm (Beavercreek, Ohio), a first-team selection in 1994. Boehm led the Bears with five pass sacks and led all defensive linemen with five pass deflections. Two other first-team players, junior linebacker Jeremy Bellinghausen (Colorado Springs, Colo.) and junior corner-

back Chris Nalley (Ferris, Texas), joined senior defensive lineman David D. (Akron, N.Y.) as key returnees for the Bears. Washington does have one huge defensive hole to fill — that of All-America linebacker Matt Gomric, the UAA Defensive Player of the Year.

Senior wide receiver Isaac Mosley (Galesburg, Ill.), sophomore quarterback



Larry Kindbom

Thor Larsen (Nevada City, Calif.), senior left tackle Josh Smith (Deerfield, Ill.) and junior wide receiver Josh Haza (Lebanon, Mo.) headline the list of offensive returnees. All four players received all-UAA recognition last year. Haza is also a two-time first-team all-UAA punter.

In his first season with the Bears, Larsen earned second-team all-league honors while throwing for 1,188 yards and 11 touchdowns on 81 of 161 (.503) passing. Mosley is Washington's top

returning receiver, having caught 33 receptions for 432 yards and five touchdowns. Haza totalled 23 receptions, but led all wideouts with 558 receiving yards and nine touchdowns. As a punter, he averaged 38.0 yards per punt, and his outstanding hang time helped the Bears rank among the nation's best in net punting.

Washington's No. 1 concern on offense is replacing first-

team all-UAA running back Todd Hannum, who rushed for 817 yards as a senior. He finished his career as the University's second all-time leading rusher with 2,416 yards.

The Bears open their season with back-to-back home games, playing Rose-Hulman Institute at 1:30 p.m. Sept. 2 and Central Methodist College at 7 p.m. Sept. 9.

Volleyball team enters 1995 campaign with proven firepower

The buzzards are circling. Expect them to go hungry. For the first time in the decade of the 1990s, the rest of the Division III volleyball world swoops into a season with some degree of to-the-top optimism. Amy Albers is gone. *Alleluia!* Anne Quenette, too. *Amen!*

But the Washington University program — which has produced four consecutive national championships and five titles in six years — is anything but a helpless carcass.

True, graduates Albers and Quenette did net 53 percent of the Bears' offensive punch in '94. For that matter, 71 percent of the blocking power and 38 percent of the defensive digs came from the pair of three-time All-Americans.

But head coach Teri Clemens and the Bears have walked this path before. Washington now has graduated at least one All-America in each of the last six years. "Best-ers" have been replaced and surpassed.

But even the forward-thinking Clemens will concede that this case is a bit different.

"Okay — it looks like I will have to

coach again!" said Clemens with a grin. But just as the birds of prey consider their descent, she follows up with, "And I can't wait!"

The Bears are entering the 1995 campaign with a combination of proven firepower and some missiles-in-waiting. Senior middle blocker Shelley Swan (Kansas City, Mo.), is a returning All-America after earning consensus second-team honors a year ago. Relying on touch and deception as offensive weapons, Swan was among the national leaders with a .384 hitting percentage.

Directing the offense will be junior setter Stephanie Habib (Tenafl, N.J.), who was a first-team all-region pick and an All-America in Clemens' eyes. Habib, who Clemens cites as a combination of all the best setters Washington has produced, dished a school-record 1,596 assists in 1994.

Manning outside hitting posts are a pair of returning all-league honorees in senior Nikki Gitlin (Roslyn, N.Y.) and junior Emmy Sjogren (Rockford, Ill.).

Who will step into the large footprints made by Albers and Quenette is still debatable. But a wealth of candidates have formed a line. Included in the pack are solid veterans, such as Nikki Holton (Tyler, Texas) and Wendy Bockhold (Quincy, Ill.), and another phenomenal first-year class that includes a handful of all-staters.

The Bears open their season on the road at the Thomas More College Invitational Sept. 1-2.

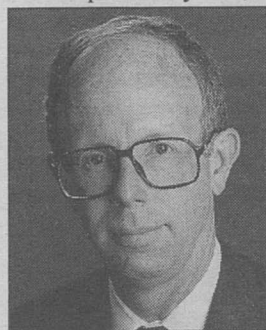


Teri Clemens

Engineering school appoints vice deans

William P. Darby, Ph.D., professor of engineering and decision science and chair of the engineering and policy department at the School of Engineering and Applied Science, has been named vice dean for academic affairs for the school. Michael D. Moll, formerly associate dean for business affairs at the school, has been named vice dean for business affairs for the school.

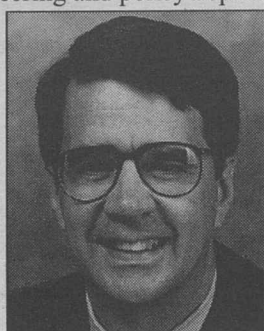
The appointments were announced by Christopher I. Byrnes, Ph.D., dean of the School of Engineering and Applied Science. They became effective as of June 1.



William P. Darby

Darby will oversee all "out-of-classroom" student services provided by the school. These include recruitment, placement, continuing education and international exchange programs. Darby earned a doctorate in civil engineering from Carnegie Mellon University in 1975. He joined the engineering faculty at Washington University in 1976 and became chair of the engineering and policy department in 1984. He has served in a variety of administrative positions in his career at Washington University. He will continue to oversee the Joint Undergraduate Engineering Program with the University of Missouri-St. Louis.

Moll becomes the chief financial officer for the school. He will oversee all financial and administrative matters and physical facilities. Moll is a certified public accountant, and received a master's degree in business administration from Washington University in 1986. He began working for the school as business manager in 1986. One year later he was appointed assistant dean of business affairs, then associate dean of business affairs in 1989.



Michael D. Moll

Director of Photographic Services named

Joe Angeles has been named director of Photographic Services, announced M. Fredric Volkmann, vice chancellor for public affairs. Angeles was named acting director last year, succeeding Herb Weitman. Angeles' position as director became effective July 1.

"Joe Angeles is an outstanding photographer whose extensive experience at Washington University makes him an excellent choice to lead the photographic services area," said Volkmann. "As acting director since last September, he's done a terrific job."



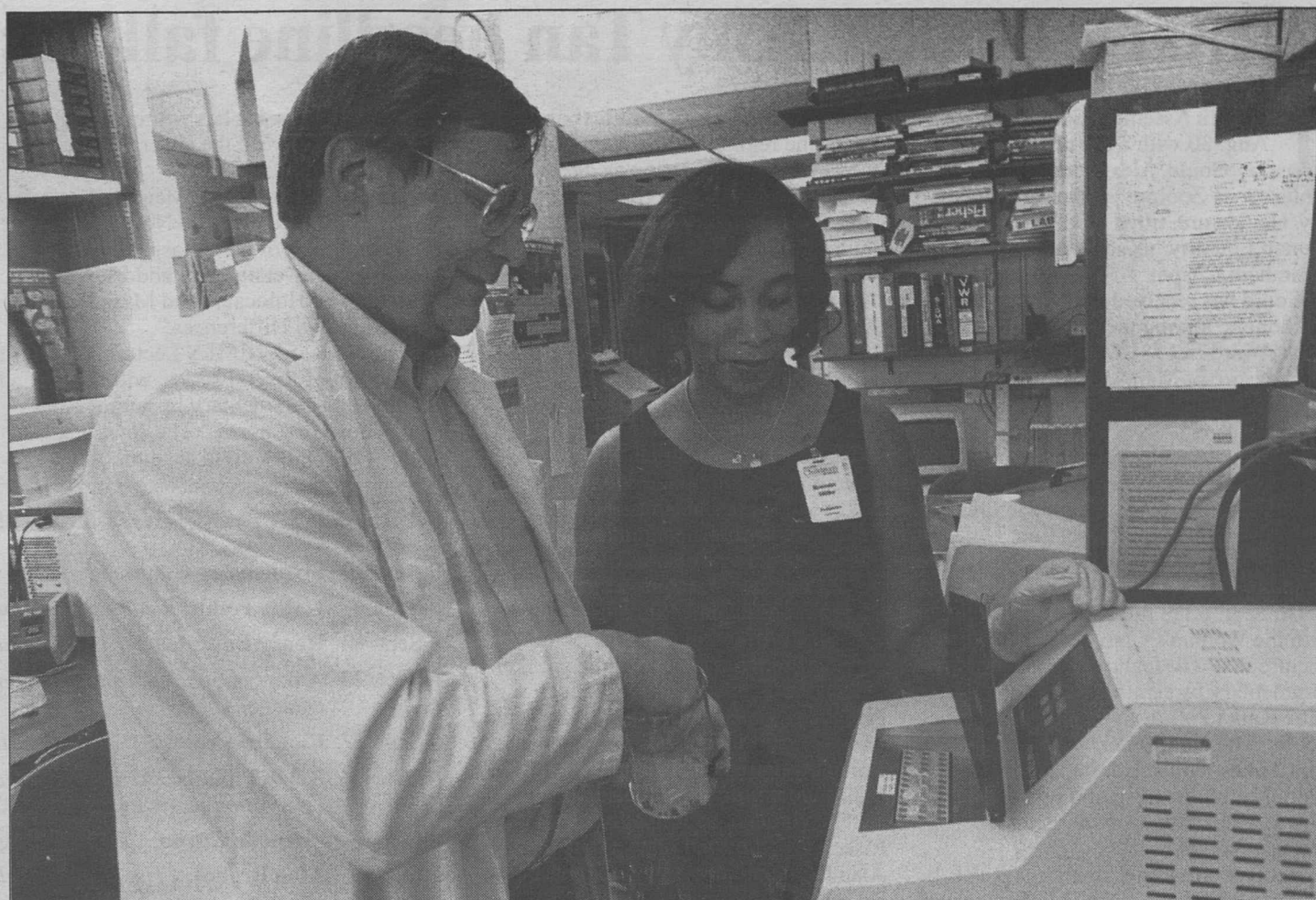
Joe Angeles

Joan Hall commissioned to design billboard

Joan Hall, associate professor of art, has joined the ranks of Andy Warhol and other prominent artists commissioned during the last decade to turn the Absolut Vodka bottle into stunning works of art.

Hall, who teaches printmaking at the School of Art, was selected by Absolut's New York-based advertising agency, TBWA, to create an original design for a one-of-a-kind Absolut billboard to be displayed at a prominent St. Louis location. Located at the 20th Street exit ramp off Highway 40 East, the billboard was unveiled July 26. It is one of only about 12 original art billboards in the United States.

Hall's artwork depicts Absolut Vodka bottles as buoys floating on water surrounded by boldly colored lemons, black currants and red peppers — representative



Arnold Strauss, M.D., professor of pediatrics and molecular biology and pharmacology, and Romona Hawkins-Miller, a Kirkwood High School biology teacher, run DNA samples through a polymerase chain reaction unit at the School of Medicine. She is one of 10 local high school teachers who are learning new research techniques at Washington University this summer.

Teachers plan to share lessons with others in area — from page 1

Teachers and their mentors are working on everything from gene therapy for hemophilia to sequencing deoxyribonucleic acid (DNA) to analyze a number of diseases and cellular conditions. Romona Hawkins-Miller has taught biology at Kirkwood High School for four years, and is excited about showing new techniques to her classes. She is working with mentor Arnold Strauss, M.D., professor of pediatrics and molecular biology and pharmacology, on deficient thiolase genes, which lead to a condition in infants where fatty acids cannot be broken down, sometimes causing death.

"Romona is working almost exclusively in molecular biology with techniques that were invented after 1980, some of which are less than two years old," said Strauss. "This includes PCR

(polymerase chain reaction), which won its inventor the Nobel Prize just two years ago. She'll be able to take the techniques she's learning back to her students to look at gene mutations in people."

Polymerase chain reaction amplifies a small portion of DNA to make many copies of a defined region; this greatly accelerates genetic studies.

"I won't be able to introduce the actual process of sequencing genes to the students because that can be very tedious as well as demanding," she said. "However, I have in mind some experiments where the students can use PCR to look for sickle cell traits in a 'whodunit' sort of scheme. This should keep it fun and challenging. It will be something that the students can readily see and do."

The high school teachers meet every Friday to share what they're learning. From their summer experience, they hope to have a booklet of lessons put together that they can share among themselves and with other area teachers. The booklet will be arranged and printed by the St. Louis Mathematics and Science Education Center at the University of Missouri-St. Louis.

All of the Washington University sponsors are from the School of Medicine, with the exception of Elgin. The other cluster teachers and their sponsors are: William Brush of Cleveland NJROTC, with Kathy Ponder, M.D., assistant professor of medicine; Suellen Cedergreen of Parkway Central High School, with Joshua Sanes, Ph.D., professor of anatomy and neurobiology; James Dedds of St. Louis Priory, with David Silbert, M.D., professor of biochemistry/molecular biophysics; Mike Gluba of Union R-XI High School, Union, Mo., with Raphael Kopan, M.D., assistant professor of medicine, dermatology;

Miller of Kirkwood High School, with Strauss; Anthony Jurkevich of DeSmet Jesuit High School, with William Frazier, Ph.D., professor of biochemistry/molecular biophysics; Anne Monks of Christian Brothers College High School, with Peter Rotwein, M.D., professor of medicine; Jeff Vetter of Maplewood High School, with Richard Wilson, Ph.D., research assistant professor of genetics; Larry Wegmann, Crystal City High School, Crystal City, Mo., with Rick Wetsel, Ph.D., assistant professor of pediatrics.

— Tony Fitzpatrick

Faculty receive summer research grants

Faculty in the Graduate School of Arts and Sciences conducted a fascinating summer of scholarship. Seventeen received individual grants to study myriad subjects, ranging from sentimentality in Victorian culture to national parks management.

The faculty members and their research projects are: **Garland E. Allen, Ph.D.**, professor of biology, "Marx, Darwin and Wagner: Evolution and Dialectics in Mid-19th-century Social Science, Natural Science and the Arts"; **Miriam L. Bailin, Ph.D.**, assistant professor of English, "A Great Deal of Proper Feeling: Sentimentality and Victorian Culture"; **Diane E. Beals, Ed.D.**, assistant professor of education, "Word Learning From Discourse: Contextual Support in Everyday Conversations";

Karen L. Brock, Ph.D., associate professor of art history and archaeology, "Mountain Temple Touched by the Sun," a book-length study of a 13th-century Japanese Buddhist temple and its collection of paintings, manuscripts and documents; **David L. Browman, Ph.D.**, professor of anthropology, "Analysis of Comestible Earths From the Annual 'Witches Market' at Huari, Oruro, Bolivia"; **J. Claude Evans, Ph.D.**, associate professor of philosophy, "The Task of Becoming a Self: Kierkegaard and Nietzsche";

John F. Garganigo, Ph.D., professor of Romance languages and literatures, "Marosa D. Giorgio and the Creative Process"; **Beata Grant, Ph.D.**, assistant

professor of Chinese language and literature, "Varieties of Female Religious Experience in Late Imperial China"; **Robert Henke, Ph.D.**, assistant professor of performing arts, "Orality and Literacy in the Commedia dell'Arte and the Shakespearean Clown";

Pascal A. Ifri, Ph.D., associate professor of Romance languages and literatures, the novels of French writer Louis-Ferdinand Celine (1894-1961); **William R. Lowry, Ph.D.**, assistant professor of political science, "Comparative Analysis of National Parks Management"; **Marvin H. Marcus, Ph.D.**, associate professor of Japanese language and literature, "Japanese Literary Journalism and the Rise of Personal Narrative";

Max J. Okenfuss, Ph.D., associate professor of history, "The Origins of Theater in Early-modern Russia"; **Mary K. Olson, Ph.D.**, assistant professor of economics, "Firm Characteristics and the Speed of FDA Approvals"; **Mark Rollins, Ph.D.**, associate professor of philosophy, "Minding the Brain: The Perceptual Encoding of Mental Content";

Robert Snarrenberg, Ph.D., assistant professor of music, "Unruly Sounds: Heinrich Schenker's Interpretive Practice"; and **Harriet A. Stone, Ph.D.**, associate professor of Romance languages and literatures, "The Prejudicial Ordering of the ABC's: Values That Undermine the Objectivity of Furetiere's 'Universal Dictionary.'"

For The Record

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

Of note

George S. Goetz, M.D., Ph.D., a gastroenterology fellow in the Department of Internal Medicine, received an Astra Merck Inc. Senior Fellow Research Award. The award encourages the career development of young investigators with interests in digestive diseases by promoting an additional year of training in disciplines basic to gastroenterology, hepatology and nutrition. All applicants are sponsored by an American Gastroenterological Association member. **David H. Alpers, M.D.**, professor of medicine, served as Goetz's sponsor. ...

Sherrie M. Hautt, M.D., assistant professor of pediatrics, received a \$534,416 five-year grant from the National Institute of Child Health and Human Development for a project on "Hormone Medicated Gut Development." ...

At the American Political Science Association's annual meeting in Chicago Aug. 31-Sept. 3, **Valerie J. Hoekstra**, lecturer in political science, is scheduled to receive the Congressional Quarterly Press Award for the best paper written by a graduate student. Her paper is titled "When the Supreme Court Strikes Close to Home: The Supreme Court's Impact on Local Public Opinion." ...

David M. Holtzman, M.D., assistant professor of neurology, has received a three-year \$450,000 Paul Beeson Physician Faculty Scholar Award from the American Federation for Aging Research. The grant will support studies of changes in brain cells that may lead to Alzheimer's disease and research on Alzheimer-like pathology in a mouse model of Down syndrome. ...

Marc S. Levin, M.D., and **Deborah C. Rubin, M.D.**, assistant professors of medicine, received a Crohn's and Colitis Foundation of America Basic Research Award. The \$180,000 two-year award is for studying "Retinoid Modulation of Intestinal Regeneration and Adaptation." ...

The Supreme Court cited a "Land Use Law" treatise written by **Daniel R. Mandelker, J.S.D.**, Howard A. Stamper Professor of Law, in a decision titled "City of Edmonds vs. Oxford House Inc." The court held that the federal Fair Housing Act prohibited a zoning ordinance that restricted the location of group homes for the disabled. ...

Eduardo G. Moros, Ph.D., assistant professor of radiology at the School of Medicine's Mallinckrodt Institute of Radiology, received a \$537,057 five-year grant from the National Cancer Institute for a project titled "Ultrasound Systems for Simultaneous Thermoradiotherapy."

Speaking of

Garland E. Allen, Ph.D., professor of biology, presented a paper titled "American Eugenics and Nazi Race Hygiene, 1933-1940" at a Pittsburgh symposium on The Holocaust and German Medicine. The symposium was held at the Allegheny General Hospital and the University of Pittsburgh School of Medicine. ...

At the ResNet '95 symposium at Stanford University, **Matthew K. Arthur**, assistant director of residential computing, delivered a presentation on "Residential Network Evolution at Washington University." As part of the symposium, Arthur led two discussion groups and was named symposium co-chair in charge of programming for next year's gathering, which also will be held at Stanford. ...

During the Industrial Hearing Conservation Conference in Tampa, Fla., **Carl D. Bohl, D.Sc.**, adjunct assistant professor of environmental health in the Department of Speech and Hearing and a visiting research scientist at the Central Institute for the Deaf (CID), and **William W. Clark, Ph.D.**, professor of physiological acoustics in the department as well as interim director of research and a senior research scientist at CID, delivered a presentation titled "Evaluations and Motivations of Employees and Administrative Personnel in Hearing Conservation Programs." ...

Kathleen F. Brickey, J.D., James Carr Professor of Criminal Jurisprudence, presented a faculty workshop on the federalization of criminal law at the Cleveland State College of Law. In addition, Lee Farbman of WAMC radio in Albany, N.Y., interviewed her on the same topic for "The Law Show," a syndicated program that airs on approximately 100 public radio stations nationwide. She also was interviewed by the Kansas City Star for an article on the subject. ...

Kathleen Clark, J.D., assistant professor of law, was a panelist at an ethics seminar sponsored by the Women Lawyers Association of Greater St. Louis. The seminar was held at the School of Law. She also delivered a presentation on legal ethics at the Midwest Decision Sciences Marketing Workshop. The Midwest Decision Sciences Institute sponsored the workshop, which was held at the Regal Riverfront Hotel in downtown St. Louis. ...

At the Society for Research in Child Language Disorders in Madison, Wis., **Ann E. Geers, Ph.D.**, associate professor of psychology in the Department of Speech and Hearing and director of clinical services at the Central Institute for the Deaf (CID), and **Johanna G. Nicholas, Ph.D.**, assistant professor of psychology in the department and a clinical research scientist at CID, presented a talk on "Sensory Aid Use and the Development of Communicative Functions." ...

At the 129th meeting of the Acoustical Society of America in Washington, D.C., **Julius L. Goldstein, Ph.D.**, research professor of electrical engineering and a senior research scientist at the Central Institute for the Deaf, delivered a presentation titled "Peak Detection for Auditory Sound Discrimination." ...

Phillip L. Gould, Ph.D., Harold D. Jolley Professor and chair of the Department of Civil Engineering, delivered the keynote address at the International Conference on Stability of Structures in Coimbatore, India. His speech was titled "Computing and Education — Bridging the Generations." Gould also co-chaired the conference and presented a paper on "Nonlinear Stability Analysis of Shells of Revolution Using a Local-global Methodology," which he wrote with 1993 alumnus **Rajamiyer Ravichandran, Ph.D.**, and **Srinivasan Sridharan, Ph.D.**, professor of civil engineering. Sridharan was an organiz-

ing secretary for the conference. The PSG College of Technology in Coimbatore, in collaboration with the University's civil engineering department, hosted the conference. ...

Thomas Head, Ph.D., assistant professor of history, presented a paper on "Art and Artifice in 10th-century Trier" during the Society for French Historical Studies' annual meeting in Atlanta. During a panel discussion titled "The Feudal Revolution" at the meeting, he also served as a commentator. ...

Udo Kultermann, Ph.D., Ruth and Norman Moore Professor Emeritus of Architecture, delivered a lecture on "Fiedler and the Art Theory of Today" at a research colloquium about Konrad Fiedler titled "Kunst und Kunstwirklichkeit" (Art and Art Reality) at the University of Bonn in Germany. Fiedler was a German art theorist. ...

At the University of Washington in Seattle, **Stephen H. Legomsky, J.D.**, D.Phil., Charles F. Nagel Professor of International and Comparative Law, spoke on "The Making of U.S. Refugee Policy: Separation of Powers in the Post-Cold War Era." ...

Robert P. Morgan, Ph.D., Elvera and William Stuckenberg Professor of Technology and Human Affairs and director of the Center for Technology Assessment and Policy, presented a seminar titled "Research on U.S. Academic Engineering Research" for the University of Sussex in England's Science Policy Research Unit. ...

John C. Morris, M.D., associate professor of neurology, delivered a speech titled "Rates of Cognitive Change in Alzheimer's Disease" during the International Symposium on Alzheimer's Research at Robinson College, University of Cambridge, United Kingdom. ...

Mark Rank, Ph.D., associate professor of political science, presented a public policy conference on "Welfare Reform: Facts, Myths and Consequences" in Sacramento, Calif. He was a member of a panel discussion on "Welfare Reform and Its Impact on Welfare Dependence and Poverty." The conference was sponsored by 12 California-based social service and political organizations. ...

Michael Valente, Ph.D., associate clinical professor of otolaryngology (audiology), spoke on "Introduction to the Independent Hearing Aid Fitting Forum Protocol" at the Journées Nationales des

Audioprothésistes Français (The National Association of the French Audiology Association) in Paris. ...

Diane Willis, coordinator of undergraduate advising and student services for University College, served on a panel titled "Assessing Academic Advisement Services in Missouri for Students Who Transfer — What's Our Score?" at the 1995 Statewide Transfer and Articulation Conference held at the Lodge of the Four Seasons at Lake of the Ozarks, Mo.

On assignment

David H. Alpers, M.D., professor of medicine, was named chair of the American Gastroenterological Association's research subcommittee of the Committee on Public Policy and Governmental Relations. His term runs through May 1998. The committee evaluates public policies, legislation and proposed regulations relating to gastroenterologists. ...

Dennis W. Choi, M.D., Ph.D., Jones Professor and head of the Department of Neurology, testified before the U.S. Senate Special Committee on Aging in Washington, D.C., on "Breakthroughs in Brain Research: A National Strategy to Save Billions in Healthcare Costs." ...

Ty Keough, head men's soccer coach, served on the coaching staff at the 1995 U.S. Olympic Festival in Denver. Keough headed the North squad in action at Denver's Mile High Stadium. ...

J. Evan Sadler, M.D., Ph.D., professor of medicine, serves as chair of the Hematology Study Section, Division of Research Grants, National Institutes of Health. Study sections review grant applications submitted from scientists throughout the nation and decide which proposals merit government funding. ...

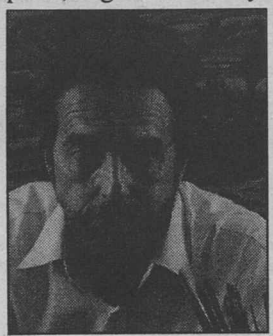
Guidelines for submitting copy:

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.

James McGarrell receives Jimmy Ernst Award in Art

James McGarrell, professor emeritus of art, has received the 1995 Jimmy Ernst Award in Art from the American Academy of Arts and Letters.

The award, which carries a \$5,000 prize, is given annually to a "painter or



James McGarrell

sculptor whose lifetime contribution to his or her vision has been both consistent and dedicated," according to the academy. McGarrell's award was one of eight art-related awards recently presented by the academy during a New York ceremony.

The Academy of Arts and Letters, which is chartered by the U.S. Congress, was established 97 years ago to encourage interest in literature, music and the fine arts. Each year, the New York-based organization gives awards to artists, architects, writers and composers totaling more than a half-million dollars. The academy's activities include exhibitions of art, architecture and manuscripts, as well as readings and performances of new musicals.

Works by the 1995 award recipients were featured in the "Exhibition of Work by Newly Elected Members and Recipients of Honors and Awards" at the academy's galleries in New York.

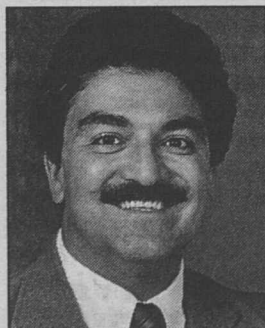
McGarrell is known for narrative paintings that draw upon themes from literature, opera and history. His complex compositions combine fragmented images, which academy member Philip Pearlstein described as "... a whirling kaleidoscope of aspects of the most revolutionary developments of modern visual arts, such as Symbolism, Futurism, and Surrealism."

McGarrell's paintings are in the permanent collections of numerous museums, including Metropolitan Museum of Art, Art Institute of Chicago, Centre Georges Pompidou in Paris, Hirshhorn Museum and Sculpture Garden in Washington, D.C., and at the universities of Arizona, Massachusetts and Oregon.

Campus Authors

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

"Difference Unbound: The Rise of Pluralism in Literature and Criticism" is the title of a new book by **Stamos Metzidakis, Ph.D.**, associate professor of Romance languages and literatures. The book examines the precise relationship between pluralism and the production of modern Western literature and criticism from the 18th century to the present. Unlike other recent studies of pluralism's role in interpretation, Metzidakis underscores the historical rather than exclusively epistemological reasons behind what might be called "the rise of literary pluralism." The latter term entails two different types of phenomena: critical pluralism and aesthetic pluralism. The critical type results from the coexistence of more and more readings of the same canonical works. The aesthetic variety refers instead to the ever-growing number of modern texts that have been intentionally written in different styles or forms, and about different kinds of people, situations and things. (Rodopi, Amsterdam, Netherlands, and Atlanta)



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.

Evening Library Supervisor 960003. John M. Olin School of Business. Requirements: two years of college, bachelor's degree preferred; typing 30 wpm with accuracy; responsible, dependable; ability to work with minimal supervision; ability to work with and maintain a variety of equipment and services (PC, CD, microforms, copy machines); excellent supervisory and customer service skills; flexibility regarding work assignments; ability to communicate with and assist a wide variety of individuals (students, faculty, business people). Duties: total responsibility for the library during evening hours; provide basic reference assistance in addition to circulation/reserve functions; must acquire extensive knowledge of the collection and its resources. Schedule: 6 p.m.-12 a.m. Sundays; 3:30 p.m.-12 a.m. Mondays-Thursdays. Work is scheduled during fall and spring semesters except for student breaks.

Public Services/Stack Maintenance/Updating 960005. Freund Law Library. Requirements: one year of college; typing 30 wpm with accuracy; library technical services experience.

Business Manager 960006. School of Law. Requirements: three to five years experience in management; master's degree or the equivalent combination of education and experience strongly preferred; experience in preparation, analysis and management of complex budgets; extensive experience in accounting management and knowledge of accounting policies and procedures; human resource management experience, including the demonstrated ability to supervise, motivate and evaluate staff, and knowledge of human resources policies and procedures; demonstrated verbal and written communication skills. Résumé required.

Secretary 960008. Department of Chemistry. Requirements: experience in a scientific environment, preferably in a university department; extensive experience with various software related to manuscript preparation and spreadsheet management; experience with DOS and Macintosh machines preferred; experience in editing and publication lay-out helpful; bachelor's degree preferred; ability to interact with faculty, staff and students. Résumé required.

Sales Associate 960010. Campus Stores. Requirements: high school graduate, some college preferred; typing 20 wpm with accuracy; good customer relations; ability to stand, lift and display merchandise; organizational skills; cashiering experience; willingness to work evenings and weekends. Résumé required.

Systems Administrator 960011. Consortium for Graduate Study. Requirements: two or more years experience in systems administration; bachelor's degree in computer science or related field or equivalent experience; proven skills in project management applications development and systems planning; knowledge of spreadsheets, word pro-

cessing, database management and desktop publishing; experience with WordPerfect, Alpha4, LOTUS 1-2-3 and PageMaker applications preferred; hands-on experience with DOS and Macintosh operating systems and LANs; excellent verbal and written communications and customer service skills; quality assurance background preferred; experience with Novell network, Microsoft access and Microsoft Windows environment. Résumé required.

Sales Associate 960013. Campus Stores. Requirements: high school graduate, some college preferred; good customer relations; ability to stand, lift and display merchandise; organizational skills; flexibility; cashiering experience; willingness to work evenings and weekends. Résumé required.

Shipping/Receiving Clerk I 960014. Campus Stores. Requirements: high school graduate; basic math ability; legible handwriting; chauffeur's license; excellent physical condition; ability to sustain frequent and heavy lifting; some shipping/receiving experience preferred. Résumé required.

Sales Associate 960015. Campus Stores. Requirements: high school graduate, some college preferred; good customer relations; ability to stand, lift and display merchandise; organizational skills; flexibility; cashiering experience; willingness to work evenings and weekends. Résumé required.

LAN Engineer 960017. Computing and Communications. Requirements: bachelor's degree; two years experience working on Apple Macintosh equipment; experience in networking (Appleshare, Appletalk, Ethernet, TCP/IP, etc.); experience as system administrator; experience with Apple operating system software, MS-DOS and Microsoft Windows. Résumé required.

Support Services Assistant 960018. School of Law. Requirements: high school graduate, some college preferred; basic computer skills; attentiveness to detail; ability to handle money; excellent organizational and interpersonal skills; ability to work with minimal supervision; high energy; take-charge attitude; ability to lift boxes weighing up to 40 lbs. Résumé required.

Departmental Secretary 960019. Alumni and Development Programs. Requirements: high school graduate, bachelor's degree preferred; strong command of the English language; ability to deal with multiple priorities with minimal supervision; willingness to work overtime, including nights, weekends, etc.; good personality and grooming. Résumé required.

Financial Analyst 960021. Financial Planning. Requirements: bachelor's degree, master's degree preferred. Duties: Budget forecasting and analysis, financial analysis; prepare materials for finance and budget CMTE and Board of Trustees; ad hoc analysis as requested. Résumé required.

Reference Assistant 960023. Olin Library. Requirements: some college, bachelor's degree preferred; library public service experience with courses in librarianship preferred; ability to respond to the public in a helpful and courteous manner; ability to work independently with minimal supervision; ability to organize work and to handle detailed work with accuracy; typing 50 wpm with accuracy; ability to work under pressure; some experience with microcomputers, especially word processing and desktop publishing; ability to adjust to a fluctuating academic year sched-

ule, which includes evening and weekend hours. Résumé required.

Operator 960025. Undergraduate Admission. Requirements: high school graduate; ability to work well under pressure; good judgment in dealing with general public; superior attendance record. Duties: handle all incoming phonelines (five lines) for undergraduate admission office; data entry support; assist in preparing visit confirmation letter and itineraries. Résumé required.

Secretary/Receptionist 960026. Computer and Communications Research Center. Requirements: some college preferred; ability to work with graduate and undergraduate students as well as other departmental personnel. Résumé required.

Programmer Analyst III 960027. Computing and Communications. Requirements: bachelor's degree; good language and people skills; ability to work with minimal supervision; ability to learn quickly and adapt to new circumstances; experience with management of desktop computers; knowledge of desktop database technology in a client/server environment highly preferred; familiarity with DOS, Macintosh systems; knowledge of Novell, Appletalk, Windows and TCP/IP networking highly preferred. Résumé required.

Accountant 960030. Accounting Services. Requirements: bachelor's degree; one to two years accounting experience; excellent interpersonal and communication skills; related accounting experience, including computer processing of accounting data; excellent personal computer skills. Résumé required.

Receptionist/Accounting Assistant 960031. School of Law. Requirements: high school graduate; excellent telephone, public relations and organizational skills; experience with IBM-compatible computers and WordPerfect software preferred; ability to meet the requirements to serve as a notary public; three semester hours of college accounting preferred; typing 40 wpm. Résumé required.

Career Counselor 960032. Career Center. Requirements: undergraduate degree in a liberal arts discipline; graduate degree in counseling; knowledge of career counseling and placement theory and practice; experience in, or exposure to, an arts and sciences career center; knowledge of career opportunities for liberal arts graduates; self-starter and team player; flexibility; creativity; high tolerance for ambiguity; a sense of humor; a commitment to continued development as a career planning and placement professional. Résumé required.

Departmental Secretary 960034. Alumni and Development Programs. Requirements: high school graduate, certificate or associate's degree preferred; strong background in Microsoft Word; excellent verbal and written skills; pleasant, professional manner with co-workers, volunteers, vendors; willingness to work extra hours if necessary; typing 50 wpm. Résumé required.

Departmental Secretary 960035. Alumni and Development Programs. Requirements: high school graduate, certificate or associate's degree preferred; strong background in personal computers; experience with Microsoft Word preferred; pleasant, professional manner

with co-workers, volunteers, vendors; ability to handle multiple tasks in an organized, accurate and timely manner; excellent verbal and written skills; willingness to work extra hours if necessary; typing 40 wpm. Résumé required.

Mail Carrier 960036. Campus Post Office. Requirements: high school graduate; ability to lift heavy packages, work outside in all kinds of weather, and go up and down stairs during delivery of mail; driver's license with safe driving record; must pass University Health Service physical exam. Résumé required.

Computer Specialist II 960040. Department of Biology. Requirements: certificate or associate's degree, bachelor's degree preferred; strong training and interpersonal skills; ability and willingness to do repairs and maintenance; ability to support diverse end-user group in academic environment and on hybrid platform; demonstrated ability to develop useful documentation and training seminars in word processing, e-mail, Internet offerings, etc. and function effectively in unstructured, harried environment; ability to work independently; good judgment. Résumé required.

Medical Campus

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

Preventive Maintenance Mechanic 950564-R. Building Services. Requirements: high school graduate or equivalent; experience with institutional maintenance and heating, ventilating and air conditioning.

Facilities Maintenance and Service Coordinator 950565-R. Plant Maintenance. Require-

ments: high school graduate or equivalent; two years related experience in skill trade functions with demonstrated ability to perform varied maintenance tasks; heating, ventilation and air conditioning experience.

Medical Research Technician 950740-R. Ophthalmology. Requirements: bachelor's degree in a life science with training or experience in biochemical and immunology techniques. Duties include working with rodents and rabbits.

Energy Management Tech 950830-R. Plant Maintenance. Requirements: high school graduate or equivalent with three years related experience; institutional maintenance background preferred; experience with personal computers.

Programmer Analyst I 950870-R. Washington University Shared Billing Collection Services. Requirements: bachelor's degree with two years application support, including programming experience; knowledge of billing system, preferably M, C, RDB or SYBASE application.

Administrative Assistant 950904-R. Psychiatry. Requirements: bachelor's degree in accounting or related field or five years experience in a university setting; experience with LOTUS, WordPerfect, FOCUS, FIS and grant software preferred.

Manager-Programming and Development 950995-R. Finance Office. Requirements: bachelor's degree in MIS, business management or related field with three years experience as a project manager developing financial budgets and Human Resource Information Systems; five years experience with analysis and design of small and large applications using a structural methodology and two years programming experience in an IBM environment using a 4GC, preferably FOCUS.

Sonographer 951000-R. Obstetrics and Gynecology. Requirements: registered or registry eligible (ARDMS); some experience in ultrasound preferred; working knowledge of ultrasound procedures and equipment; interpersonal and communication skills.

Data Assistant 951029-R. Psychiatry. Requirements: high school diploma, some college preferred; experience in DOS, WordPerfect and data management; research experience preferred.

Professional Rater III 951052-R. Psychiatry. Requirements: master's degree; experience in epidemiological research; expertise in research environment; administrative and communication skills.

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

Medical Research Technician 960048-R. Biochemistry and Molecular Biophysics. Requirements: college degree with background in biology or chemistry; experience in protein purification. Responsibilities include learning instrumentation and molecular biology techniques.

EEG Technician I 960083-R. Psychiatry. Requirements: high school graduate or equivalent, some college and/or training in EEG technology preferred; experience with EEG techniques; knowledge of computers and phlebotomy skills. Position is part time.

Medical Assistant 960097-R. Ophthalmology. Schedule: part time, 9 a.m.-3 p.m. Mondays, Wednesdays, Thursdays and Fridays. Requirements: high school graduate or equivalent with training and certification as a medical assistant; clinical experience and familiarity with personal computers preferred.

Security Officer 960113-R. Security. Requirements: high school graduate or equivalent, associate's degree preferred; two years experience as a security officer in a large institution or military police experience.

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

Director of Quality Planning 960125-R. Custodial Services. Requirements: high school graduate or equivalent, associate's degree in business, management or related field preferred; 10 years experience with housekeeping, including five years experience at a supervisory level in a university, hospital or large corporation preferred.

Campus Watch

The following criminal incidents were reported to the University Police Department July 25-Aug. 13. Readers with information that could assist the investigation of these incidents are urged to call 935-5555. This release is provided as a public service to promote safety awareness on campus.

University Police responded to the following incidents: four reports of vandalism, including broken windows in Graham Chapel and the Women's Building, damage to two staff members' vehicles parked on the Brookings parking lot, and graffiti on the west side of the Beaumont Residence Hall; a report of a wallet stolen from Shepley Residence Hall; a report of money missing from two purses in the Cyclotron basement; a report of money stolen from a wallet in McMillen Lab; reports of money stolen from vending machines in Hurd, Park, Shepley and Eliot residence halls and money missing from vending machines in Mudd, Givens and Simon halls and Mallinckrodt Center; reports of theft at Alpha Epsilon Pi fraternity, including missing golf clubs, a satellite access card, and duffel and gym bags; a

report of a wallet stolen from a bookbag in Bryan Hall; a report of a radio taken from Givens Hall; a report of a microwave oven stolen from the Eliot Residence Hall kitchen area; and a report of keys stolen from The Gargoyle in Mallinckrodt Center. In addition, University Police received a report of two subjects loading an aluminum ramp from the loading dock into the trunk of a car. An arrest was made the following morning and the ramp, valued at \$416, was recovered at a local recycling center. Also, a report was made of a suspicious vehicle on the rear parking lot of Kappa Sigma fraternity. An investigation revealed that the vehicle was stolen in Illinois, and one of the two occupants was wanted on unrelated charges. Both subjects were arrested and the car was impounded for release to its owner.