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Mark Wrighton named chancellor

Mark S. Wrighton, Ph.D., provost and chief academic officer at the Massachusetts Institute of Technology (MIT), has been appointed chancellor of Washington University, effective July 1, 1995, according to an announcement released April 10 by the Washington University Board of Trustees.

Wrighton will succeed William H. Danforth, who has served as chancellor since 1971, and whose 24-year tenure is one of the longest among active educational leaders in America. Wrighton was selected in a nationwide search that began a year ago when Danforth announced his intention to retire.

"Washington University is most fortunate to find a person like Mark Wrighton to continue the strong tradition of leadership among its chancellors — leadership that has guided our emergence as one of the world's great teaching and research institutions," said William M. Van Cleve, chair of the search committee and of the Board of Trustees. "In our search, we sought a leader who could help us chart a course through the many challenges facing higher education in the next few years. Mark Wrighton is the person to accomplish that."

Danforth pleased with choice

"I congratulate the search committee and the trustees for finding and selecting someone of Mark Wrighton's excellent qualifications," Danforth said. "He is a wonderful choice whose experience with faculty, students, staff, trustees, alumni and friends at MIT will serve Washington University well."

As provost of MIT since 1990, Wrighton not only oversees the \$1.1 billion budget, but also coordinates the annual five-year planning process. He heads MIT's education and research programs, and the academic deans of MIT's five schools report to him, as do the associate provosts, the director of libraries, the director of Lincoln Laboratory, the dean of the graduate school, dean of undergraduate education and student affairs, and the vice president and dean for research.

In his role as provost, he has emphasized the value of teaching in a research university and the strengthening of undergraduate education. He initiated the establishment of the Margaret MacVicar Faculty Fellows Program to recognize and enhance undergraduate education. As provost he also is the senior officer for a joint program between MIT and Harvard Medical School, known as the Division of Health Sciences and Technology.

Wrighton led efforts to build new environmental education and research

programs and coordinated the development of international education and research programs. He inaugurated programs to build diversity within the MIT faculty and strengthened the support of all faculty by developing funding programs to seed new research and to endow faculty salaries. He also focused attention on enhancing and reshaping science and engineering education.

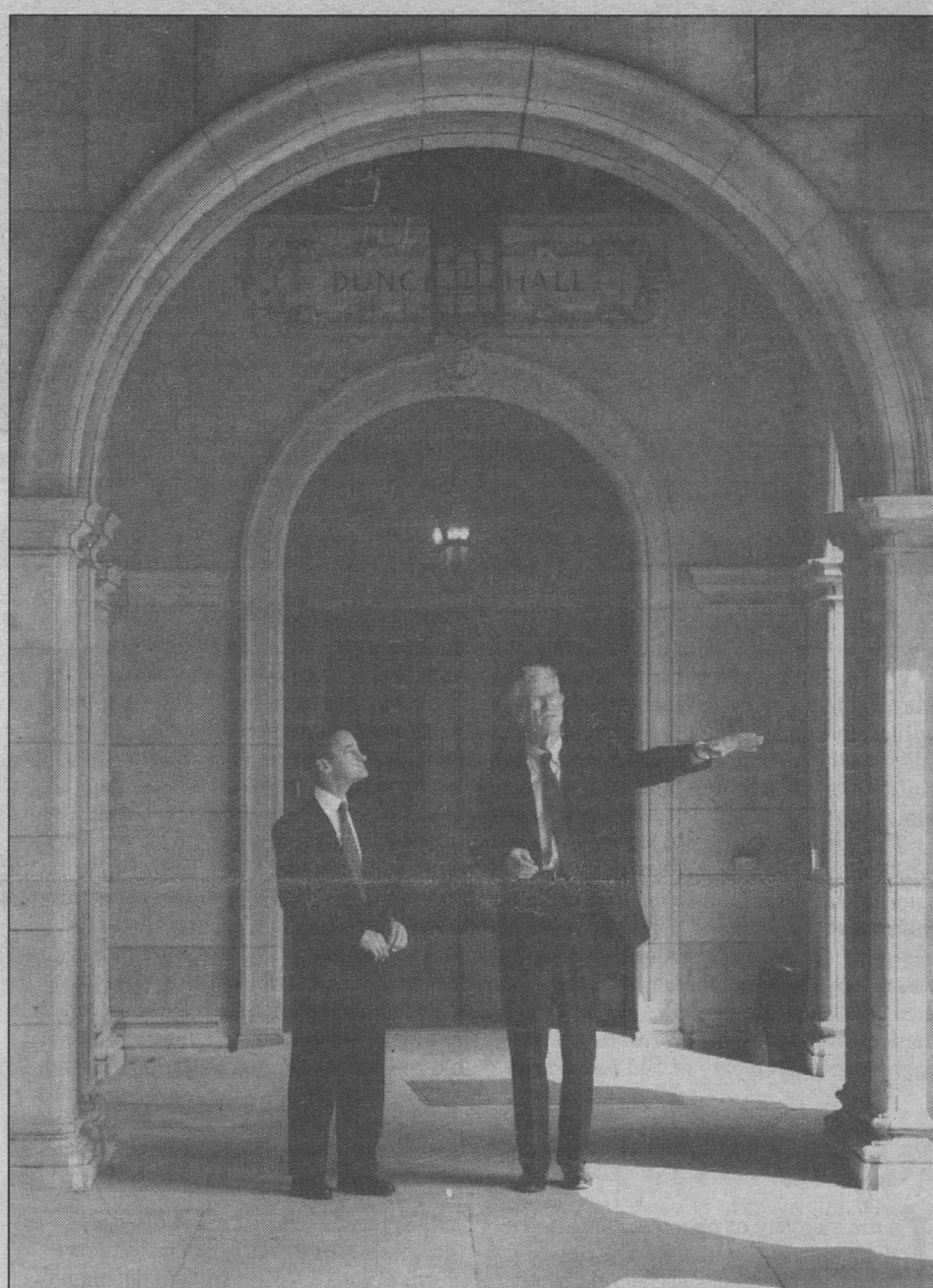
"Washington University is one of the leaders of American higher education, and I am greatly honored to be asked to become its next chancellor. What has happened at this University is testimony to the strength of the faculty, the students, and the tens of thousands of people who each year support this great institution," Wrighton said. "The University has flourished under the leadership of Bill Danforth and now is poised to build upon the prominence of its excellent educational and research programs. I look forward to working with all of the Washington University community in meeting the challenges that lie ahead."

Unanimously supported by board

"The 24-member search committee reviewed hundreds of nominees. The committee unanimously recommended Mark Wrighton to the Board of Trustees. The board also unanimously supported that recommendation. We looked long and hard for a worthy successor to Bill Danforth," Van Cleve said. "The search committee met frequently over nearly a year." The day-to-day work of the committee was coordinated by vice-chair James W. Davis, Ph.D., professor of political science.

When Wrighton becomes chancellor on July 1, 1995, he will head a university that has had associated with it a total of 20 Nobel Laureates, 22 members of the National Academy of Sciences, 17 members of the Institute of Medicine, and 21 members of the Academy of Arts and Sciences. Total enrollment of the University is 11,655 undergraduate, graduate, and professional students taught by full-time and part-time faculty of more than 3,400. The institution is ranked as one of the top research universities in America, as are several of its schools and programs. The University has one of the 10 largest endowments in America — \$1.7 billion — and receives more than \$210 million annually in federal and private research support. The University's operating budget was \$780 million in 1993-94, including the \$479.5 million budget of the School of Medicine.

The Washington University Medical Center is one of the premier academic health centers in the nation — serving several hundred thousand patients each year through the work of outstanding



Chancellor William H. Danforth leads Chancellor-designate Mark S. Wrighton on a campus tour.

medical faculty and students who teach, heal, and conduct leading-edge research. The medical school consistently is ranked as one of the best in the nation.

About Mark S. Wrighton

Wrighton has been a member of the MIT faculty since 1972, and became a full professor at MIT at the unusually young age of 28. He has been featured in *Fortune*, *Business Week*, *Science Digest*, *U.S. News and World Report*, and *Esquire* as one of the nation's leading scientists. His numerous awards include a MacArthur Foundation Prize-Fellowship in 1983. He also received the E.O. Lawrence Award from the U.S. Department of Energy. Wrighton holds 14 patents and is the author of more than 400 research papers.

He also is the co-author of a book, "Organometallic Photochemistry," and he has been the consulting editor for a major freshman textbook now in its fourth edition. In his research, Wrighton has used chemistry to seek to mimic the photosynthesis of plants and to tailor the properties of surfaces with respect to optical, wetting, or catalytic properties.

Wrighton was born June 11, 1949, in Jacksonville, Fla. He graduated from Florida State University with a B.S. in chemistry in 1969 and then went on to the California Institute of Technology, where he completed his doctorate in chemistry in 1972 at the age of 22. He joined the MIT faculty that year as an assistant professor and was named a full professor

Continued on page 8

Chancellor-designate addresses community

Chancellor-designate Mark S. Wrighton, Ph.D., delivered the following remarks at the April 10 press conference announcing his appointment.

"It is an honor to be selected the next chancellor of Washington University. I am mindful of the trust placed in me, and I pledge to do my very best to demonstrate that the confidence in me is well-placed. Succeeding Bill Danforth as chancellor is a special privilege, and I look forward to his wise counsel in the years ahead.

"Washington University is a great university, and it is one which is destined

for even greater impact as we move into the 21st century. Thanks to the leadership of Bill Danforth over the past two decades and the hard work of distinguished faculty, students, staff, trustees, and graduates, the University has grown in stature, resources, and quality.

"During the process that has led to my selection and introduction to members of this community I have learned what a supportive environment there is in the greater St. Louis area. The business community in the many cities that comprise this area has been essential to the success of Washington University. I have much to

learn about this region and will need help from many as I make the transition to this exciting university. I sense interest, enthusiasm, and warmth from all with whom I have interacted, and this support will be valuable to me personally and to the University during this transition period.

"The process that led to my appointment has been thorough and one that gives me the confidence that the University community is dedicated to sustaining its excellence in teaching and research. The enduring responsibility of a university is the educational mission, and I am pleased that the

Continued on page 8

In this issue ...

The Parkinson's puzzle 2
Researchers have identified a rare genetic form of this disease that may lead to new therapies and screening

Science as sculpture 3
Artist Ronald Leax combines man's intellectualism and nature's indifference in the studio

Words of wisdom 8
Faculty, staff, students and colleagues offer their impressions of Chancellor-designate Mark S. Wrighton, Ph.D.

Medical Update



Ronald G. Evens, M.D., Elizabeth E. Mallinckrodt Professor, head of the department and director of the Mallinckrodt Institute of Radiology, and other School of Medicine administrators had a chance to meet with Chancellor-designate Mark S. Wrighton, Ph.D., during an afternoon reception April 10 in the King Center at the Medical Library.

Participants needed for Parkinson's study

Investigators in the Department of Radiology are looking for 100 volunteers for a Parkinson's disease study. The study will examine the cause of side effects experienced by some Parkinson's disease patients who take levodopa, the most commonly prescribed Parkinson's drug.

Parkinson's disease is a progressively disabling illness that affects the central nervous system, causing slow movement, muscle rigidity and tremors. Levodopa is one of the most effective therapies available for Parkinson's. It relieves symptoms by replacing a missing chemical in the brain. Some patients who take levodopa develop severe involuntary movements, called dyskinesias, in addition to the normal symptoms of Parkinson's.

In this study, investigators will use positron emission tomography (PET), a noninvasive radiology test, to examine how levodopa affects brain activity.

Many researchers suspect that long-term use of levodopa alters pathways of brain communication that cause dyskinesias. The goal of this study is to begin identifying those pathways, said lead investigator Joel S. Perlmuter, M.D., associate professor of neurology and of radiology at the School of Medicine's Mallinckrodt Institute of Radiology.

The researchers will use PET images of blood flow in the brain to identify the parts of the brain activated by levodopa. They will look for differences among normal volunteers, Parkinson's patients who have dyskinesias and Parkinson's patients who do not have dyskinesias.

The investigators need the following volunteers: Parkinson's patients who have not yet received drug therapy, those who have had at least a year of levodopa treatment without developing dyskinesias, patients treated for at least a year who have developed dyskinesias, and people without Parkinson's.

All office visits and tests related to the study will be provided at no cost to volunteers. Participation requires a daylong visit; transportation can be arranged. For more information, call Lori Minnich at 362-7148.

Expanded employee day-care facility opens May 22

When the expanded St. Louis Children's Hospital Child Development Center opens on May 22, the employee child-care facility will double in size to accommodate 60 additional children. The center serves children of Washington University employees.

The new facility, at 321 S. Newstead, will include indoor play rooms, more infant/toddler rooms, separate napping rooms for toddlers and a professionally designed outdoor playground, said Rosalyn Kleinberg, the child development center's director. She added that the location of the new 17,000-square-foot facility, formerly at 5457-61 High-

land Park, will be more convenient for most parents because it is closer to the medical center.

"One of the main reasons to expand our facility is to meet the child-care needs of our employees. Our waiting list continues to grow," Kleinberg said.

The development center, which also serves children of St. Louis Children's Hospital employees, accepts children ages 6 weeks through kindergarten. It also offers a summer camp for first-through third-graders.

Now 14 years old, the development center was the first hospital-sponsored child-care center in the nation to receive voluntary accreditation for curriculum

excellence. It is fully licensed by the state of Missouri.

The development center, which now will have a capacity of 235 children, also will add 10 full-time positions. Kleinberg said she believes the additional space and staff will enhance the center's goals. "With this new center, we'll be able to offer a well-planned attractive facility geared to the needs of young children. We'll continue to offer not only quality care but also a high-quality educational program," she said.

The center is accepting applications for this fall's full- and half-day kindergarten programs. Call 533-6737 before May 19 and at 454-4700 after that date.

Researchers identify a genetic form of Parkinson's disease

In the majority of patients, Parkinson's disease begins with a tremor of one hand. The disease steadily progresses to the other hand and to the arms and legs. Gradually, rigidity in the muscles sets in and movements as simple as walking become difficult. As the disease progresses, patients lose their ability to function independently. Until now, no one has known much about the source of this disabling illness, which affects roughly one million Americans.

But researchers at the School of Medicine recently have identified a rare genetic form of Parkinson's disease. It is caused by a gene mutation that creates abnormal iron accumulation in the brain. The finding, published in the March 28, 1995, issue of the Proceedings of the National Academy of Sciences, is one of the first insights into the cause of the disease.

This discovery is important because it is the first time a genetic cause of Parkinson's disease has been identified. "This is a clearly defined piece of the puzzle, and there haven't been many of those in this particular disease. I think that's what is most exciting," said Jonathan D. Gitlin, M.D., associate professor of pediatrics.

This finding may lead to new therapies for Parkinson's disease and genetic screening for the illness. Drugs now used for Parkinson's patients treat symptoms, such as slow movement, tremors and unsteady balance. No available medication can slow or stop progression of the disease, which attacks the central nervous system. The finding also may help doctors diagnose patients with other unexplained neurologic disorders for which no cause is known. This study was supported by a grant from the National Institutes of Health.

Identifying the link

In the paper, Gitlin and Z. Leah Harris, M.D., an instructor in pediatrics, and their

colleagues describe a novel disease, aceruloplasminemia, that causes a rare form of Parkinson's. Aceruloplasminemia is caused by a mutation in the ceruloplasmin gene, which is involved in iron transport. Researchers in Gitlin's laboratory found that the mutation causes abnormal iron accumulation in the brain's basal ganglia region, which results in the tremors and gait abnormalities associated with Parkinson's disease.

Scientists have found abnormalities in the brain that seem to be an important part of the disease, namely a deficiency of the crucial neurotransmitter dopamine in the basal ganglia. The resulting deficiency of this neurotransmitter interferes with normal nerve impulses, causing the symptoms. It is believed the deficiency is caused by degenerative, vascular and inflammatory changes in this part of the brain. This study identifies the cause of abnormalities in the brain in some Parkinson's patients.

Gitlin and his colleagues discovered the genetic form of Parkinson's when they were studying patients in Japan that had Parkinson's symptoms and low levels of ceruloplasmin. With radiographic imaging and tissue biopsy, they found these people had abnormal iron accumulation in the basal ganglia region and in their livers. Gitlin's laboratory then obtained DNA from some of the patients and identified a mutation on the ceruloplasmin gene located on chromosome 3.

Gitlin's lab linked this mutation to Parkinson's because all of the patients with the mutation had basal ganglion damage. "So these patients have the same disease that other patients who previously have been diagnosed with Parkinson's have. The difference is we know why our patients have the disease," Gitlin said.

Gitlin recommends that patients with

undiagnosed movement disorders ask their doctors to look for aceruloplasminemia, which he believes has been underdiagnosed. Identifying this genetic mutation also might one day help prevent the onset of Parkinson's. "One day, if we can develop a therapy for this disease and a genetic test, we might be able to identify these people early and prevent the disease," he said.

Focusing on metals

The Parkinson's study is just one aspect of Gitlin's research. His laboratory studies diseases caused by the abnormal movement and metabolism of copper and iron in the body. Last year, researchers in Gitlin's laboratory identified the gene for Wilson's disease, an inherited metabolic disorder that causes cirrhosis of the liver and brain degeneration. The laboratory also is studying the Menkes disease gene.

If physicians are able to identify people with metal diseases early, they may be able to prevent the onset of disease with therapy. "Before, we wouldn't be able to find these people until they started having symptoms in their 50s and 60s," Harris said. "Many of them already have had children who are carriers of the disease or who have the disease."

In addition to adding to the body of knowledge about transition metal diseases, discovering this mutation of the ceruloplasmin gene is a building block for learning more about the biology of Parkinson's disease. "It's our hope that our understanding how this piece fits into the puzzle may provide information about other causes of Parkinson's disease and novel therapies," he said.

Gitlin's laboratory is analyzing DNA from families around the world, including a family in the St. Louis area.

— Diane Duke

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Washington
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Nature dominates in Leax's sculpture

Sun glinting off Lake Michigan filters across wild wind-blown sand dunes, past a lush lawn and garden and into the big bay windows of an elegant enclosed porch at Chicago's Evanston Art Center.

Washington University environmental sculptor and master of metaphor Ronald Leax could not dream a better setting to display his handiwork.

Outside, just across Lake Shore Drive, the polluted waves of America's largest natural inland waterway lap stubbornly at the shoreline not far from Northwestern University. Inside, it looks as if one of this venerable university's science labs has just washed ashore.

Scattered about windowsills, fireplace mantels and several large industrial metal shelving units is an exotic array of ancient microscopes, specimen tubes and other arcane lab paraphernalia, most of it rusted, twisted or moldering in mysterious organic gunk. Petri dishes choked with algae. A tray of lacquered animal embryos. Dried sea creatures. Fossils.

Leax has come to make a statement about science, about education, about the pursuit of order and knowledge in a world of chaos and ever-shifting realities. And everywhere, the icons of higher education lay bent, rusting, rotting, decaying — overcome by the passage of time.

Books are woven throughout the installation, but all have been rendered inaccessible, unreadable — tied tightly with rusting wire, bound snugly with chains, encased in lead. Science books and encyclopedias bloated with saltwater and encrusted in brine crystals. A bundle of newspapers that has spent a year in the Atlantic Ocean.

The artist's touch is apparent. Colors leap from the shelves in vivid, contrasting hues. A large glass vial of deep blue liquid. Wild piles of iridescent mussel shells. Cascading mounds of rock salt and mud. A full jar of reddish-orange ferrous oxide scrapings — flecks of rust. The effect is haunting, thought-provoking, powerful.

Ron Leax, "Ontological Library," mixed media installation, 1990-1992, Artful Nature Exhibition, Evanston Art Center, Evanston, Chicago.

"In Leax's library, empirical knowledge falls prey to being," observed a critic for the NEW ART examiner. "Symbols of a grand but failed attempt to conquer nature through knowledge, study, documentation, and categorization, the objects seem in the process of being overtaken by the forces of nature they sought to tame."

Leax, 48, is no stranger to man's quest for empirical knowledge. On faculty here since 1986, he is an associate professor of art, director of graduate studies and area coordinator for the School of Art's sculpture program. He received a bachelor of arts from Brown University, Providence, R.I., in 1969, and a master's degree from Cranbrook Academy of Art, Bloomfield Hills, Mich., in 1980.

While his path to sculpting has been a bit circuitous, Leax always has been drawn to science. As a bookish boy in rural Pennsylvania, he roamed the countryside, collecting flora and fauna and dragging them home for further examination. His first works of art were biological specimens — collected, mounted and painstakingly preserved in the noble pursuit of knowledge.

He was first a student of nature. Always curious, diligent, intent. Poking under rocks, into holes. Observing the delicate balances in nature, the interdependence of species. Struggling to understand the science behind birth, growth, aging, death and decomposition.

Leax burrowed into field guides, textbooks, encyclopedias and learned the nuances of laboratory equipment. His boyhood miniature zoo was taxonomically correct — animals and plants arranged into natural related groups based on structure, embryology and biochemistry.

Despite his interest in science, Leax pursued architecture in college, a choice spurred by his family's background in construction. He soon switched to painting and then sculpture and became intrigued by Erwin Panofsky's "Meaning in the Visual Arts."

The book set forth a structured method for stripping away layers of meaning and analyzing a work of art based on observation and accumulated knowledge. The concept reminded him of the scientific method, a childhood obsession that still influences his sculpture and teaching.

"Lizards in 4 Dimensions," by Ron Leax. Plexiglass case, steel grid, heating devices, electric fans, timing controls, heat lamps, thermometers, wood, sand, plants, crickets and live lizards, 96x36x96. The Gallery, Marygrove College, Detroit, 1984.

Leax's art exhibits a fascination with the interface between the intellectual compulsions of man and the casual indifference of nature. His creations are quick to poke fun at scientific conceit and bluster, yet there is an unmistakable reverence for the process of discovery, for the undeniable human urge to explore, to understand.

Leax has included goldfish, turtles and other live animals in his installations. But he is not content to simply include bits and pieces of nature in his art. He delights most in allowing the fickle hand of nature to place the finishing touches on his organic masterpieces. Leax merely sets the stage, provides the paint and the palette, the stone and the chisel. He calls upon the forces

Lewis Center, a former junior high school near the Delmar Loop. All of the two dozen or so sculpture majors are required to spend 18 hours a week in the studio, but most work on their own schedules.

"Our studios are open 24-hours-a-day because we all know that creativity does not keep business hours," he said. "It's impossible to set rigid deadlines and expect this whole range of creative people to arrive at the same place by the same time."

Leax offers students a basic grounding in the tools and paraphernalia of artmaking. Safety is the first order of business. Sculptors must know how to operate routers, metal punches and band saws without leaving fingers in the sawdust.

"The Nature of Wood," by Ron Leax, 1983. Bleached white oak, cherry, black walnut, ash, red oak, birch doweling, glass tubing, textbook, paper, loam and live sapling, 34x82x72.

"Sculpture is an incredibly expensive discipline because most of the instruction must be one-on-one. You can't lecture 180 students on how to change the blade on a table saw. Everything must be hands-on."

Leax is part high school shop teacher, part coach, part mentor, part critic, part crazy. He leads impromptu seminars on how to mold a lifelike ear using clear silicone. How to make Jello that will last forever. He warns that an improperly cast bronze sculpture will slowly rot from within.

The sculpture program has two formal critiques of student work each semester, but faculty and fellow students are almost always available for comment.

"Critiques are a very, very important part of the teaching process," Leax said. "We will hold critique sessions at the request of any student at any stage in their project."

Before a formal critique, the student must write three fundamental things he or she is trying to do with a piece of work.

"Artists sometimes think that their work means more than it might," Leax said. "In the final analysis, you have to look at the work itself. You have to look at outcomes rather than intentions."

Leax measures his teaching success by outcomes. "You know you've done your job when your students are going where they want to go — getting into good graduate schools, getting gallery fellowships, going to work. You've been successful

when students stay in touch. If what we do here has not made a difference, if it hasn't been positive, people don't stay in touch."

Cornucopia: Five Interactions With a Maine Beach, Georgetown, Maine, by Ron Leax in collaboration with Peter Woodruff, 1992.

Leax's relationship with the land and the earth is a major influence on his work and his life.

"I go surf fishing in the summertime and it has become an enormously important, almost gnostic experience for me — to be standing half in the water, half in the air — it's a very sensory thing," he said.

In his work, salt is used often as a symbol for the sea, the ocean, the littoral zone.

"Salt in the 'Ontological Library' is a complex, material, a crystallizer, a preserver and a simultaneous transformer — it's its own force," Leax said. "It's a preservative and also an agent of change. But it started out and has maintained itself in my work as an ocean symbol — the ocean as source."

He spends most summers in Maine along the Atlantic Ocean. Last summer, he was artist-in-residence at Sir Wilfred Grenfell College in Cornerbrook, Newfoundland, and visiting artist at the University of South Maine at Gorham.

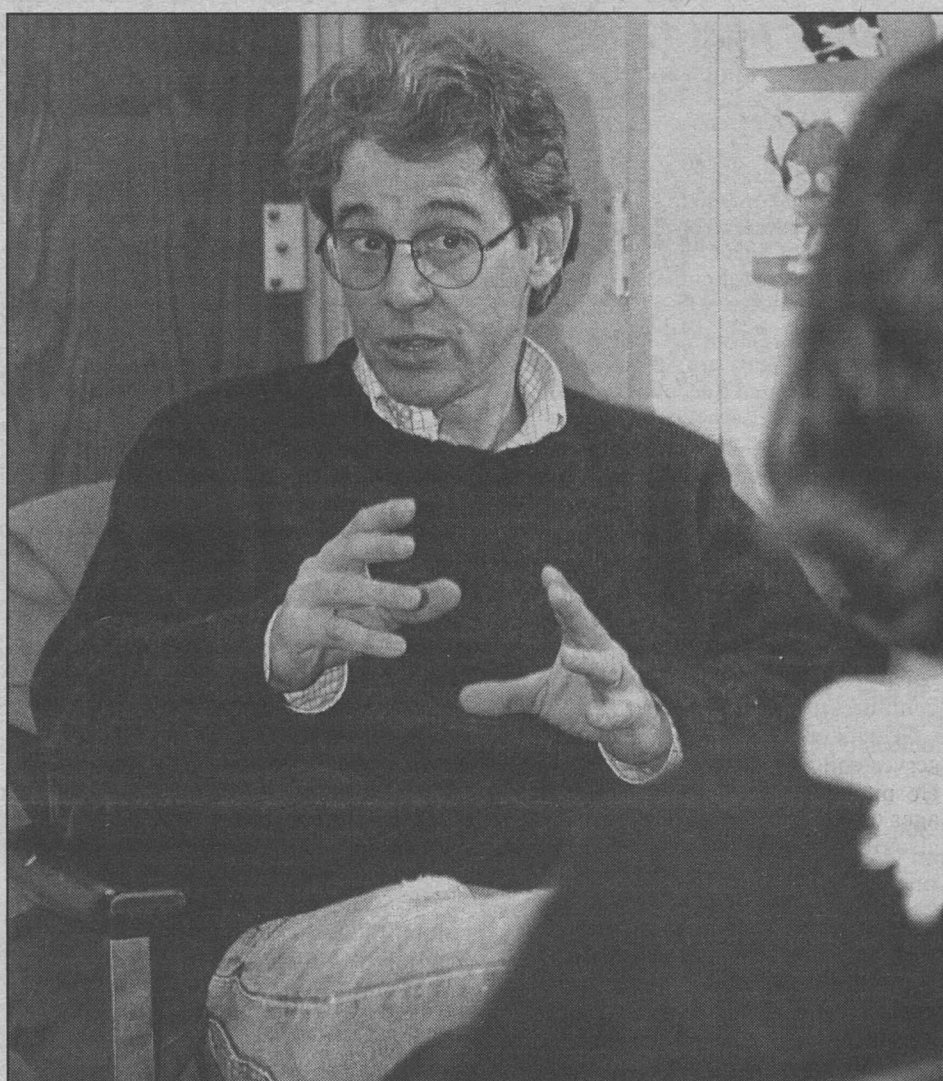
"The Mind is a Muscle," two installations by Ronald Leax and Celeste Roberge. The Farnsworth Art Museum, Rockland, Maine, 1993.

"Reading is also very important to me," Leax said. "The majority of my serious reading lately has been on the development of the mind, the cognitive sciences, and the process of encephalization."

Leax sees sculpture as a complex and sophisticated means of communication — an intellectual endeavor every bit as tangible and important to human existence as quantum physics.

"I think the function of the university in society is pretty clear — to preserve, discover and pass on knowledge," said Leax. "Sculptors and artists have an important place in this community of educated men and women because we are as committed as anyone to advancing our field of knowledge."

— Gerry Everding



Ronald Leax analyzes a work by senior sculpture major Krista Ruane.

of nature to consummate much of his work.

He has made art in a greenhouse with grow lights, metal tanks, water pumps, kangaroo feeding bags, plastic tubing and enough nutrient salts to grow 32 yam plants in bottles. He has utilized the crystal-producing, capillary action of colorful goos to create art that slithers and creeps under plates of glass. The bright, blue-green patina of corroding copper is common in his color schemes.

Each item in Leax's installations is selected for its ability to trigger a thought process, to evoke an emotion, to conjure some distant memory.

His organic arrangements have included chunks of SPAM, the infamous processed meat in a can that comes complete with its own connotations. Visitors to Leax exhibits have seen fresh SPAM undergo a real time metamorphosis — hardening, cracking, oozing oil and occasionally dribbling to the floor.

Leax's art is a physical inquiry into how the mind works. While his messages about the fragility of nature and the encroachment of time are serious, his medium is free-spirited, casual, playful. He brings these same qualities to the classroom.

"Weed Grower," by Ron Leax, 1983. Painter's table easel, wire rack, saline bottles, cotton, plastic tubing, wire, metal trays, loam, glass, orange light, painted textbooks and weeds. 40x45x24.

Leax cultivates budding young sculptors in much the same way Mother Nature propagates weeds. He creates a receptive environment, provides essential nutrients and lets them set root wherever and however they please. He nurtures the seeds of creativity, helps them sprout from within, but he lets them choose their own path to the sun.

"You can't teach someone how to sculpt," Leax said. "If it is going to mean anything, it has to come from inside."

Leax believes that creativity lurks within us all. His job is to help it emerge and find expression.

"You can see students' thinking skills get better as they go through the program," said Leax. "Their work gets better, more sophisticated. A voice begins to firm up in their work."

The hothouse for sculptors at this University is a maze of cubicles and machines on the first floor of the

Calendar

April 13-22



Exhibitions

"Master of Fine Arts I." School of Art graduate thesis show. Opening reception: 5-7 p.m. April 14. Exhibit continues through April 23. Gallery of Art, upper gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. 935-5490.



Films

All Filmboard movies cost \$3 and are shown in Room 100 Brown Hall. For Filmboard Hotline, call 935-5983.

Thursday, April 13

7 and 9 p.m. Filmboard Foreign Series. "La Baie des Anges (Bay of the Angels)" (1962), in French with English subtitles. Filmed in Monte Carlo and Nice, France.

Friday, April 14

4 p.m. Women's studies film and discussion. Womanist Perspectives in Cinema series. Discussion of "Daughters of the Dust" (1990) led by Priscilla Dowden, prof. of history, U. of Missouri-St. Louis. Room 149 McMillan Hall. 935-5216.

7 and 9:30 p.m. Filmboard Feature Series. "Taxi Driver" (1976), starring Robert De Niro, Cybill Shepherd and Jodie Foster. (Also April 15, same times, and April 16 at 7 p.m.)

Midnight. Filmboard Midnight Series. "Clue" (1985). The famous board game comes to life with Lesley Ann Warren and Christopher Lloyd. (Also April 15, same time, and April 16 at 9:30 p.m.)

Monday, April 17

4 p.m. Dept. of Russian film. "Scarecrow" (1985), with English subtitles. Room 219 South Ridgley Hall. 935-5177.

Tuesday, April 18

7 p.m. Chinese Film Series. "Rickshaw Boy" (1982). Room 219 South Ridgley Hall. 935-5177.

Wednesday, April 19

7 and 9 p.m. Filmboard Classic Series. "Monkey Business" (1931), the first Marx Brothers movie written for screen. (Also April 20, same times.)

Friday, April 21

7 and 9:30 p.m. Filmboard Feature Series. "The Commitments" (1991), a story about the hardest working band in Dublin, Ireland. (Also April 22, same times.)

Midnight. Filmboard Midnight Series. "The Blues Brothers" (1980), starring John

Belushi and Dan Aykroyd. (Also April 22, same time.)



Lectures

Thursday, April 13

11:15 a.m. Social work lecture. "Critique of Research Proposal: Post-hospital Mental Health Services for Gero-psychiatric Patients: Utilization and Outcomes," Nancy Morrow-Howell, assoc. prof., and Enola Proctor, prof. and director, Center for Mental Health Services Research, George Warren Brown School of Social Work. Second Floor Conference Room, Administrative Bldg., 1130 S. Hampton Ave. 935-5741.

Noon. Genetics seminar. "Cloning of Human DNA in Yeast as YACs Using Transformation-associated Recombination," Vladimir Larionov, Genetics/Molecular Biology Group, National Institute of Environmental Health Sciences. Cori Aud., 4565 McKinley Ave. 362-2744.

12:30 p.m. Neuroscience luncheon seminar. "Regulation of K⁺ Channel Expression and Assembly," Edwin Levitan, asst. prof. of pharmacology and neuroscience, U. of Pittsburgh. Room 928 McDonnell Medical Sciences Bldg.

1:30 p.m. Geometry seminar. "The Theorem of Nielsen and Thurston on Surface Homeomorphisms" (cont.), Larry Conlon, prof. of mathematics. Room 199 Cupples I Hall. 935-6726.

2:30 p.m. Mechanical engineering seminar. "Multi-variate Process Modeling of Composite Materials," Douglas S. Cairns, research assoc. and manager, Advanced Composites Technology, Hercules Composite Products Group, Magna, Utah. Room 100 Cupples II Hall. 935-6055.

4 p.m. Biology and biomedical sciences seminar. "Genetic Analysis of Aging in *Saccharomyces cerevisiae*," Leonard Guarente, prof., Dept. of Biology, Massachusetts Institute of Technology. Cori Aud., 4565 McKinley Ave. 362-4780.

4 p.m. Chemistry seminar. "The Reactivity of Nickel-Acylate Complexes With Alkyl and Vinyl Halides," Alan Pinhas, prof., Dept. of Chemistry, U. of Cincinnati. Room 311 McMillan Lab. 935-6530.

4 p.m. Earth and planetary sciences seminar. "The Composition of High-pressure Mantle Melts: Results From Diamond-aggregate Experiments," Mike Baker, member, professional staff, Division of Geological and Planetary Science, California Institute of Technology. Room 362 McDonnell Hall. 935-5610.

4 p.m. Molecular oncology, medicine and pathology seminar. "Control of Mammalian Cell Growth and Oncogenesis," Joseph R. Nevins, chair, Dept. of Genetics, and investigator, Howard Hughes Medical Institute, Duke U. Medical Center, Durham, N.C. Third Floor Aud., St. Louis Children's Hospital.

Friday, April 14

11 a.m. Systems science and mathematics seminar. "Scheduling Queueing Networks: Stability, Performance Analysis and Design," P. R. Kumar, prof., Dept. of Electrical and Computer Engineering, and Coordinated Science Lab, U. of Illinois, Champaign-Urbana. Room 101 Cupples II Hall.

Noon. Cell biology and physiology seminar. "Nuclear Fusion, a Two-stage Pathway Requiring Microtubule-dependent Nuclear Movement and Membrane Fusion," Mark Rose, prof., Dept. of Molecular Biology, Princeton U. Cell Biology Library, Room 426 McDonnell Medical Sciences Bldg.

Noon. Environmental engineering seminar. "Cement Kiln Waste Management Technologies," Robert J. Schreiber Jr., president, Schreiber, Grana and Yomley Inc., St. Louis. Room 216 Urbauer Hall.

1 p.m. Immunology program thesis defense. "STAT Recruitment by Tyrosine Phosphorylated Cytokine Receptors," Andrew C. Greenlund, student, Medical Sciences Research Bldg. 362-3365.

tist Training Program. Room 7737 Clinical Sciences Research Bldg. 362-3365.

3 p.m. Art history lecture. The Second Annual Stanley Spector Lecture on East Asian History and Civilization. "Shifting Allegiances: Modern Japanese-style Painting, 1868-1968," J. Thomas Rimer, chair, Dept. of East Asian Languages and Literatures, and prof., Dept. of Japanese Literature, U. of Pittsburgh. Room 162 McDonnell Hall. (Reception follows in the East Asian Library, January Hall.) 935-4448.

4 p.m. Molecular microbiology seminar. "Prokaryotic Enhancer Binding Proteins and Sensing of Nitrogen Limitation in Enteric Bacteria," Sydney Kustu, prof., Dept. of Molecular and Cell Biology, U. of California, Berkeley. Cori Aud., 4565 McKinley Ave. (Refreshments: 3:45 p.m.) 362-7059.

4 p.m. Music lecture. "Henry Purcell's Church Music: A Tricentennial Tribute," Eric van Tassel, music writer and contributor to "The Purcell Companion," to be published this year. Room B-8 Blewett Hall.

4:30 p.m. Math colloquium. "Zeros of Derivatives of Meromorphic Functions," Jim Langley, prof. of mathematics, U. of Nottingham, University Park, England, and Purdue U., West Lafayette, Ind. Room 199 Cupples I Hall. 935-6726.

Saturday, April 15

9 a.m. Saturday morning neural sciences seminar. Growth Factors and Apoptosis Series. "Ischemia: Necrosis vs. Apoptosis," Dennis Choi, Andrew B. and Gretchen P. Jones Professor of Neurology and head, Dept. of Neurology. Erlanger Aud., McDonnell Medical Sciences Bldg.

Monday, April 17

4 p.m. Biology seminar. "Cell Lineage and Movements in the Building of the Nervous System: Studies With Light and Magnetic Resonance Microscopy," Scott Frazier, prof. of biology, Division of Biology, Beckman Institute of Technology, Pasadena, Calif. Room 322 Rebstock Hall. 935-6860.

4 p.m. Biomedical engineering/biomedical computing seminar. "Tissue Remodeling and Tissue Engineering," Y. C. Fung, prof. emeritus, Dept. of Biomedical Engineering, U. of California, San Diego. Wohl Hospital Bldg. Aud., 4960 Children's Place.

4 p.m. Cognitive psychology colloquium. "Interference, Generalization and Representation in Connectionist Models of Learning and Memory," James McClelland, prof. of psychology, Carnegie Mellon U., Pittsburgh. Room 162 McDonnell Hall. 935-6546.

8 p.m. Architecture lecture. "Placing Architecture," Adèle Naudé Santos, Adèle Naudé Santos and Associates, San Diego. Steinberg Hall Aud. (Reception following in Room 120 Givens Hall.) 935-6200.

Tuesday, April 18

9 a.m. Psychiatry lecture. Alan H. Kaplan Lecture. "Early Moral Development and Changes in Psychoanalytic Theory," Robert N. Emde, prof. of psychiatry, U. of Colorado Health Sciences Center, Denver. Clopton Aud., 4950 Children's Place. 362-7772.

Noon. Social work brown bag lunch and discussion. "Shaping Development Through Innovative Social Policy" will be discussed by George Warren Brown School of Social Work faculty and doctoral students. Sponsored by the Center for Social Development. Brown Hall Lounge. 935-7433.

12:10 p.m. Physical therapy brown bag seminar. "Basal Ganglia Facilitation and Inhibition of Competing Motor Programs," Jon Mink, instructor in neurology and pediatrics. Classroom C Forest Park Bldg., 4444 Forest Park Blvd. 286-1427.

2 p.m. Systems science and mathematics seminar. "Conjugate Points and Shocks in Nonlinear Optimal Control," Hélène Frankowska, Université Paris-Dauphine, France. Room 101 Cupples II Hall.

3:15 p.m. Systems science and mathematics seminar. "The 'Montagnes Russes' Algorithm for Global Optimization," Jean-Pierre Aubin, prof. of mathematics, Université Paris-Dauphine, France. Room 101 Cupples II Hall. 935-6001.

4 p.m. Assembly series lecture. Arthur Holly Compton Memorial Lecture. "The Problem of Visual Awareness," Francis Crick, Nobel laureate, president of the Salk Institute for Biological Studies, La Jolla, Calif. Graham Chapel. 935-5285.

4 p.m. Diabetes research group seminar. "Modulating the Histamine Signal: Borrowed Strategies and Neighborhood Lenders," Nancy Baenziger, research assoc. prof. of anatomy and neurobiology. Pathology Library, Room 3723 West Bldg.

6-8 p.m. Social work lecture. "Substance Abuse + Poor Parenting = A Lethal Combination: What Can We Do?" Brett Drake, asst. prof., George Warren Brown School of Social Work; Susan Stepleton, executive director, Edgewood Children's Home; Elaine Williams, coordinator, St. Louis Public Schools Drug Free Programs; and Janice Strong, maternal child health program coordinator, St. Louis City Dept. of Health. Brown Hall Lounge. 935-6678.

Wednesday, April 19

6:30 a.m. Anesthesiology Grand Rounds. "Cardiovascular and Metabolic Effects of Cold Stress," Steven Frank, asst. prof. of anesthesiology, Johns Hopkins U., Baltimore. Wohl Hospital Bldg. Aud., 4960 Children's Place. 362-4449.

8 a.m. Obstetrics and Gynecology Grand Rounds. "Morbidity/Mortality Conference," Khaled I. Dibbs, instructor, Dept. of Obstetrics and Gynecology. Clopton Aud., 4950 Children's Place. 362-3122.

11 a.m. Assembly Series lecture. The Women's Society Adele Starbird Lecture. "How One Person Can Make a Difference in the World," Betty Williams, president, Global Children's Foundation, Huntsville, Texas. Graham Chapel.

4 p.m. Biochemistry and molecular biophysics seminar. "The IRS-signaling System and Insulin Action," Morris F. White, assoc., prof., Joslin Diabetes Center, Boston. Cori Aud., 4565 McKinley Ave. 362-0261.

6 p.m. Architecture lecture. "Intern Development Program," Parinaz Bahadori of Fred Powers and Associates, Dick Kirshner of Mackey Mitchell and Associates, and Carolyn Green Lippert of William B. Ittner Inc. Room 116 Givens Hall. 935-6200.

8 p.m. GreekSHARE workshop and discussion. "The Legal Aspects (National, State and Campus Regulations) of Rape and Sexual Harassment." Sponsored by fraternities and sororities. Women's Bldg. Lounge. 935-5040.

Thursday, April 20

1:30 p.m. Geometry seminar. Larry Conlon, prof. of mathematics. Room 199 Cupples I Hall. 935-6726.

4 p.m. African and Afro-American studies lecture. "Narrative 'Blackness' and the Political Economy," Wahneema Lubiano, prof., Dept. of English, Princeton U. Room 200B Eliot Hall. 935-8556.

4 p.m. Chemistry seminar. "Pre-ceramic Conducting and Optoelectronic Unsaturated Organosilicon Polymers," Thomas J. Barton, prof., Dept. of Chemistry, Iowa State U., Ames. Room 311 McMillan Lab. 935-6530.

4 p.m. Earth and planetary sciences colloquium. "Structure of the Lunar Crust as Derived From Impact Crater Boreholes," Carle M. Pieters, prof., Dept. of Geological Sciences, Brown U., Providence, R.I. Room 362 McDonnell Hall. 935-5610.

4 p.m. Neurology lecture. The Norman J. Stupp Inaugural Lecture. "Molecular Mechanisms of Neuronal Apoptosis in Human Neuropathology," Eugene M. Johnson Jr., Norman J. Stupp Professor of Neurology and prof. of molecular biology and pharmacology. Cori Aud., 4565 McKinley Ave.

4:15 p.m. Philosophy lecture. "Should We Try to Define Truth?" Donald Davidson, prof., U. of California, Berkeley. Hurst Lounge, Room 201 Duncker Hall. 935-7148.

4:30 p.m. Math colloquium. "How I Learned to Stop Worrying and Love Schroeder's Equation," Joel Shapiro, prof. of mathematics, Michigan State U., East Lansing. Room 199 Cupples I Hall. 935-6726.

Friday, April 21

9:15 a.m. Genetics lecture. Eighth Ben Abelson Memorial Lecture. "Molecular Analysis of the Hematopoietic Microenvironment — The Role of Membrane-associated Stem Cell Factor in Hematopoiesis," David Williams, assoc. prof. of medical and molecular genetics and assoc. investigator, Howard Hughes Medical Institute, Indiana U. School of Medicine, Bloomington. Sponsored by the Lucille P. Markey Special

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.

Emphasis Pathway in Human Pathobiology and Dept. of Genetics. Clopton Aud., 4950 Children's Place. 362-3363.

Noon. Cell biology and physiology seminar. "Regulation of the Yeast Mating MAP Kinase Cascade by a Novel Tethering Protein," Elaine Elion, asst. prof., Dept. of Biological Chemistry and Molecular Pharmacology, Harvard Medical School. Room 426 McDonnell Medical Sciences Bldg.

Noon. Environmental engineering seminar. "An Overview of Pressure Relief Systems," Bob Lee, chief engineer, Associated Chemical Engineering Services, St. Louis. Room 216 Urbauer Hall. 935-8590.

1 p.m. Solid-state engineering and applied physics seminar. "Overview of Electrical Power Subsystems for Communications Satellites," R. Livingston, graduate student, Dept. of Electrical Engineering. Room 305 Bryan Hall. 935-5565.

2 p.m. Radiation oncology lecture. The Norman K. Probstin Oncology Lecture. "The Biologic Basis of Altered Fractionation Schedules in Radiation Oncology," Jack Fowler, emeritus prof. of human oncology and medical physics, U. of Wisconsin, Madison. Scarpellino Aud., First Floor, Mallinckrodt Institute of Radiology.

4 p.m. Molecular microbiology seminar. "The Antiviral and Antiproliferative Properties of the Interferon Induced PKR: A Protein Kinase, RNA Binding Protein, and Tumor Suppressor Gene," Michael Katze, assoc. prof., Dept. of Microbiology, U. of Washington, Seattle. Room 775 McDonnell Medical Sciences Bldg. 362-7059.

8 p.m. Philosophy lecture. "Varieties of Externalism," Donald Davidson, prof., U. of California, Berkeley. Alumni House Living Room. 935-7148.



Music

Sunday, April 16

8 p.m. New Music Circle concert. Carl Stone, contemporary electro-acoustic composer and performer. Steinberg Hall Aud. Cost: \$10 for the general public; and \$6 for WU students and senior citizens. 935-5490.

Thursday, April 20

8 p.m. Vocal jazz concert. Program: Jazz standards, including "Mood Indigo," "Round Midnight" and "Blue Skies." Directed by Fred Binkholder, director, Washington University Vocal Jazz Ensemble. Graham Chapel. 935-5581.

Friday, April 21

8 p.m. Chamber choir concert. Program: "Purcell and His Successors," a program of English music that includes works of Henry Purcell, Samuel Wesley, John Stainer, Charles Stanford, Edward Elgar, William Walton and Herbert Howells. Graham Chapel. 935-5574.

Saturday, April 22

8 p.m. Piano recital. Program: Music of Franz Joseph Haydn, Robert Schumann, Alexander Scriabin and Claude Debussy. Graham Chapel. 935-5581.

Thurtene Carnival proceeds to aid homeless

Net proceeds of this year's Thurtene Carnival will benefit the St. Louis Transitional Hope House, which helps families break the cycle of homelessness.

The carnival will be held from 11 a.m. to 8 p.m. April 22-23 on the campus parking lot at Millbrook and Skinker boulevards. There is no admission fee.

About 75 percent of Hope House residents are children. The balance, with rare exceptions, are the children's single mothers. Seventy-six percent of the more than 300 families served by Hope House in the last five years are now successfully living independently.

Thurtene members hope to heighten awareness of the plight of single homeless mothers as well as raise money for the women to better their lives, said Justin Monk, president of Thurtene and an international business and German major. Children from Hope House, along with other underprivileged children in the St. Louis area, will attend the carnival as guests of Thurtene.

The carnival theme is "Light Up The Sky." The Thurtene junior honorary sponsors the event, which is the largest



Performances

Thursday, April 20

8 p.m. Dance concert. Performed and choreographed by WU students. (Also April 21 and 22, same time.) Sponsored by Thyrsus and the Performing Arts Dept. Dance Studio, Room 207 Mallinckrodt Center. Cost: \$3. 935-5858.

Friday, April 21

8 p.m. Edison Theatre "OVATIONS!" series presents "Gray's Anatomy" with comic storyteller Spalding Gray musing on medicine, mortality and mid-life crisis. (Also April 22, same time.) Edison Theatre. Cost: \$20 for the general public; and \$16 for senior citizens, WU faculty, staff and students. 935-6543.



Miscellany

Monday, April 17

7-10 p.m. Office of Continuing Medical Education seminar series. "Internal Medicine Review." The topic is infectious diseases. Steinberg Amphitheatre, Jewish Hospital. For credit info., call 362-6893.

8 p.m. Comparative literature reading. Raymond Federman, author of "Critifiction: Postmodern Essays," speaks about fiction and autobiography. Hurst Lounge, Room 201 Duncker Hall. 935-5170.

Tuesday, April 18

8 p.m. International Writers Center fiction reading. Michael Ondaatje, Sri Lankan poet and novelist. Cost: \$5; free for students and senior citizens. West Campus Conference Center, 7425 Forsyth Blvd. 935-5576.

Friday, April 21

Office of Continuing Medical Education workshop. "Current Issues in Amplification." Continues through April 22. St. Louis Marriott West, 660 Maryville Centre Drive. For schedules, cost and credit info., call 362-6893.

Saturday, April 22

10-11:30 a.m. Bookmaking workshop. "The Road to Self-publishing." Three St. Louis authors — Merryl Winstein, Laura Dale Plummer and Elaine Floyd — tell of their adventures in self-publishing. Bixby Gallery, Bixby Hall. Cost: \$20. To register, call 935-4643.

11 a.m.-8 p.m. Thurtene Carnival. Features games, food booths, rides and skits. Proceeds benefit St. Louis Transitional Hope House, which helps families break the cycle of homelessness. North Brookings parking lot. 935-3033.

and oldest student-run carnival in the nation. About 30 student organizations are preparing for the event.

"We wanted the theme to signify the dynamic, fun-filled energy possessed by everyone involved with the carnival," said Carrie L. Dickinson, co-chair of public relations for Thurtene and a psychology major. Phillip Chazen also is co-chair of public relations.

Thurtene Carnival will feature skits, food booths, games, and at least 19 rides, five for children and 14 for adults.

The students will begin constructing the food and game booths, along with the facades for skits, the week of April 17.

Chancellor William H. Danforth, who will retire June 30, will participate in the carnival's opening ceremonies at 1 p.m. April 22.

Besides Dickinson, Chazen and Monk, the other Thurtene members are: Justin Blum, Ali Cushman, Brent Dalrymple, Brian A. Davis, Eric Grant, Pranav Kothari, Elizabeth Ryan, Kenny Staley, Kenneth Walker and John Weaver.

For more information, call Monk at 935-3033.

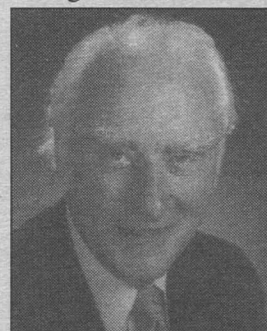
Nobel laureates present talks

Francis Crick, winner of the 1962 Nobel Prize in physiology or medicine, and Betty Williams, winner of the 1976 Nobel Peace Prize, will deliver Assembly Series lectures in Graham Chapel.

Crick will give the Arthur Holly Compton Memorial Lecture, titled "The Problem of Visual Awareness," at 4 p.m. Tuesday, April 18, and Williams will present the Women's Society Adele Starbird Lecture, titled "How One Person Can Make a Difference in the World," at 11 a.m. Wednesday, April 19. Both talks are free and open to the public.

Scientist Francis Crick

Crick is president of the Salk Institute for Biological Studies in La Jolla, Calif.



Francis Crick

Since 1977 he has been the J.W. Kieckhefer Distinguished Research Professor at Salk and an adjunct professor at the University of California, San Diego.

After earning a bachelor's degree in physics in 1937 from University College, London, Crick worked as a scientific civil servant. He turned in 1947 to biological research, first at the Strangeways Laboratory in Cambridge, England, and then joined the Medical Research Council unit at Cambridge University. He received a doctorate from there in 1954 and in 1961 became a founding member of the Medical Research Council's Laboratory of Molecular Biology at Cambridge University.

Originally, Crick's research concentrated on X-ray diffraction studies of proteins. Along with colleagues Maurice Wilkins, James Watson and the late Rosalind Franklin, he was responsible in 1953 for the discovery of the molecular structure of deoxyribonucleic acid (DNA). Subsequently he worked on

problems connected with protein synthesis and the genetic code.

After 1966 his interest turned to developmental biology and chromatin structure. Since joining the Salk Institute in 1976, Crick's research has been entirely theoretical, concentrating on the neurological basis of visual awareness.

Crick is the recipient of numerous international honors, among them the Order of Merit in 1992 from the queen of England — a lifetime honor held by only 25 living people at any one time — and the 1962 Nobel Prize, shared with professors Watson and Wilkins.

Child advocate Betty Williams

Williams is founder and president of the Global Children's Foundation in Hunts-



Betty Williams

ville, Texas, a not-for-profit, independent foundation that advocates on behalf of children worldwide and seeks to bring crises involving children to the attention of a wider public.

A native of Belfast, Northern Ireland, Williams' commitment to children's causes began in 1976 when she witnessed firsthand the devastation wreaked on the lives of children by the sectarian civil war. She became a staunch advocate of a peaceful solution to the conflict, organizing peace rallies and marches throughout Northern Ireland and Great Britain. In 1976 she was co-recipient of the Nobel Peace Prize for her tireless efforts to bring peace to her country.

Williams argues that the solution to children's problems lies not in the allocation of more financial aid but in individual action and involvement. Her efforts for international children's causes have taken her to trouble spots worldwide — Ethiopia, Nicaragua, Thailand and Gabon, West Africa, where she was awarded the Albert Schweitzer Medal of Courage in 1994.

For more information, call 935-5285.

Sports

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

Fielder Russ Chambliss sparks baseball Bears

Sophomore center fielder Russ Chambliss, Chesterfield, Mo., continued his assault on the Washington record books by driving in 15 runs in six games last week. Three of his 15 RBIs came on a dramatic three-run home run with two outs in the bottom of the seventh inning. The homer gave the Bears a 7-6 win over region rival MacMurray College and stopped their four-game losing skid. After falling to MacMurray 7-3 in the second game, the Bears bounced back on Sunday with a doubleheader sweep (19-7 and 16-4) of Maryville University.

Current record: 19-12 (5-1 UAA co-champions)

This week: 2 p.m. Wednesday, April 12, vs. Greenville College, Kelly Field; 2:30 p.m. Friday, April 14, vs. St. Louis University, Kelly Field.

Tracksters continue stride toward nationals

Several Bears inched closer to NCAA Division III national-meet berths as Washington University competed at Saturday's high-powered SEMotion Relays. Senior Antone Meaux, Cincinnati, long-jumped 7.08 meters (23' 3") — just 0.01 meters shy of the NCAA provisional standard. Meaux also helped the Bears close within seven-tenths of a second of the NCAA mark in the 4x400-meter relay. On the women's side, the foursome of senior Renee Foster, Peoria Heights, Ill., senior Genevieve Melton, Poughkeepsie, N.Y., junior Julie

Pearman, Desloge, Mo., and first-year student Yolanda Shepard, St. Charles, Mo., established school records in both the 4x100-meter and 4x400-meter relays for the second weekend in a row.

This week: 11 a.m. Saturday, April 15, at Southern Illinois University-Edwardsville Relays, Edwardsville, Ill.

Men's tennis wins again

Washington's men's tennis winning streak reached five matches as the Bears defeated Principia College (5-2) and the University of Missouri-St. Louis (7-0) last week. Senior Robbie Biaggi, Guaynabo, P.R., the Bears top singles player, went unbeaten in both singles and doubles competition.

Current record: 6-4

This week: 3 p.m. Tuesday, April 11, vs. St. Louis University, Tao Tennis Center; 4 p.m. Thursday, April 13, at Greenville College, Greenville, Ill.

Women netters win two out of three

The women's tennis team suffered its second loss in 18 decisions this year, falling to DePauw University (7-2) on Saturday. But the Bears rebounded to topple a solid Augustana squad (5-2) later in the day and beat UAA rival University of Chicago (9-0) earlier on Friday.

Current record: 11-2 in spring (16-2 overall)

This week: Friday-Saturday, April 14-15, at Midwest Invitational Tournament, Northfield, Minn.



Tudor Masek, 11, and his brother Alexandru, 10, dye Easter eggs in the Stix International House kitchen for the April 9 Easter egg hunt. They are the sons of club member Ioana Masek and Vladimir Masek, Ph.D., assistant professor of mathematics. The egg dyeing was hosted by the international wives section of the Woman's Club. The hunt was sponsored by the Women's Society.

Students, staff launch pilot calendar of campus, local events on Internet

Students, faculty and staff wondering when the next philosophy colloquium, theater performance, or lacrosse practice will be held need look no further than their own computer screens this month. During April, a committee of staff and students is running a pilot test of a campuswide calendar available on the Internet. If the test is successful, a permanent version may be in place by fall.

The calendar, which is easily accessible through the World Wide Web (see box for instructions), lists Washington University and St. Louis events of interest to the campus community taking place this month. Information is divided into a variety of categories, including announcements, deadlines and events/activities, and may be viewed by date, category, keyword or complete list.

The catalyst for the pilot project was a series of student focus groups held last spring by the Communications Cluster. The cluster learned that students were not satisfied with campus communications, and wanted an on-line campuswide calendar that listed events and deadlines.

"The use of focus groups enabled us to critically evaluate a broad array of status-quo solutions and to leapfrog past them," said Van Brokaw, associate vice provost, citing printed and video calendars in use at other universities.

Last fall and winter, employees in the Office of the Registrar and University Libraries explored software systems with calendar capabilities, but were not satisfied that they would meet student criteria for flexibility and accessibility. At the same time, Student Union had begun to produce a simplified calendar on the World Wide Web. In recent months, Brokaw helped bring the Communications Cluster and students together to create the pilot test of an expanded Student Union calendar.

"This has been a genuine team effort of students and staff working together to develop a new service for the entire community," Brokaw said. "It has been just great to have such a dynamic balance of teamwork and personal initiative from everyone involved — that's what enabled us to move this complex project along."

"There was so much overlap between

the different calendars around campus. Now anyone on campus has a calendar before them that they can customize and print out based on their individual interests," said Jason Kint, a junior mathematics major and computer consultant for Student Union. Kint designed the on-line calendar with help from Bryan O'Connor of Academic Computing and Networking.

Students Jackie Ulin, Student Union vice president, and Kristen Mathews, president of the Council of Students in Arts and Sciences, as well as staff members Allen Gurney, assistant director of admission, and Kathy Atnip, associate director of Student Computing Services, also helped coordinate the effort.

The committee decided to kick off the pilot project during April, when the Office of Undergraduate Admission had assembled a vast calendar for April Welcome. The campus community is encouraged to log on, as well as submit calendar items by selecting "submit an event" from the menu, sending an e-mail message to calendar@www.wustl.edu, or mailing printed information to Allen Gurney, Office of Undergraduate Admission, Campus Box 1089. During April, a hard copy of the weekly calendar will be available at central locations around campus.

In the first days of April, Kint said he already had received e-mail messages praising the on-line calendar, and offering suggestions.

"All the feedback has been positive so far. I'm very happy with the way it turned out," Kint said.

— Susannah Webb

How to access calendar

To access the on-line calendar, type "WUevents" at the main prompt of a campus e-mail account, or use a graphical browser such as Netscape, Mosaic or Omniweb from the Washington University home page <http://www.wustl.edu/>. From the menu, search the calendar by date range (i.e. April 13-20), keyword (i.e. baseball) or select a menu item. For more information, or to make suggestions, contact Brokaw at 935-4623.

Process mapping culminates in on-line student registration

Last summer, when members of the student registration process mapping team left the last session of an exhaustive six-day seminar, their lofty goals for a new and improved on-line registration system seemed like a far-off dream. Nine months later, many of the initiatives considered last summer are swiftly becoming a reality.

"A tremendous amount of work has been done at lightning speed," said Stuart Yoak, University registrar. "Everything is on track, we've met all our deadlines. It's amazing. In June it was hard to imagine everything coming together."

Last June's process mapping exercise involved about 40 staff, faculty and students who worked together to streamline the student registration system. Participants identified the hundreds of steps involved in student registration, "flowcharted" the entire process, identified and eliminated redundant and inefficient steps, and appointed 40 action teams to implement dozens of ambitious improvements. The process is borrowed from business — specifically from the award-winning Motorola Inc. — and was facilitated by two Motorola employees.

Since then, the original group has continued to meet on a monthly basis. Individual action teams have met weekly and now involve hundreds of employees, students and faculty.

Specific action items include: developing an on-line, real-time registration system that lets students know immediately if they have been accepted to their classes of choice; compiling a uniform course listing that comprises all the courses offered in all the schools at Washington University; instituting an open registration period that will simplify or eliminate the need for pre-registration, manual registration, drop/adds and late registration; separating tuition payment from registration; developing an advising system that requires students to see their adviser before accessing the on-line registration system; and moving toward a paperless registration system, among others.

Registering by computer

Jan. 13, 1995, marked a milestone for the process mapping team as students filed into Francis Gymnasium for the University's last manual student registration. By April 17, students will be able to register for fall 1995 courses from one of 120 computer terminals around campus. In the future students will be able to register from terminals in their residence halls, from off-campus and eventually, from around the world.

Training the approximately 10,000 students who will be introduced to the new system was a major concern. The course

listing, which students received last month, includes step-by-step instructions. In addition, support personnel will be on hand at the computers.

"We didn't want to put the terminals out there with no help," Yoak said. He added, however, that the system is fairly straight-forward.

Several action teams have tackled the gargantuan task of compiling course information from the College of Arts and Sciences and all the schools to create a single, uniform course listing. The official listing was distributed last month and is available on-line through "wugopher."

The Office of University Registrar held training sessions to teach departmental employees how to enter course information into the database in addition to other technological and connectivity issues.

"The reception from the departments has been overwhelmingly enthusiastic. Employees knew right away that this would be of benefit to them, would make their jobs easier," he said.

Yoak noted, however, that learning the new technology has not been without some frustration. Not all departments are connected to the University's computer backbone, and some lack the appropriate computer equipment. Information Systems has provided laptop computers to those departments and the Registrar's Office has made some of their terminals available for data entry.

"Some employees were frustrated; some thought a mouse was something you caught in a trap," Yoak said. "But even those people quickly saw that this was the right way to go."

Improving advising

Advising, which is taking place during the first two weeks of April, will be a more integral part of the new system. For example, students will not be able to access the on-line registration system without an authorization code, which will be given to them by their adviser.

"We wanted a mechanism to ensure that students involve their advisers in academic decisions," Yoak said.

The registration process mapping team is looking beyond the inauguration of the new system this month. In June and July, the original team will reassemble to assess its progress and prepare for the fall's incoming student body. The team also will implement an in-depth student assessment program to gauge student satisfaction and identify areas that need improvement.

"This is not something we're going to create and step back from," Yoak said. "We are going to pay very serious attention to student input and strive to continuously improve the system."

— Susannah Webb

Campus Watch

The following criminal incidents were reported to the University Police Department April 3-9. 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.

April 3

6:01 p.m. — A camera and two lenses were reported stolen from a student's vehicle parked on Forsyth Boulevard just west of Skinker Boulevard.

April 4

4:06 p.m. — Cash was reported stolen from the pocket of a Spann employee's shirt, which was hanging in the maintenance closet of the Athletic Complex.

10:56 p.m. — University Police responded to a report of unlawful use of a weapon in the Bear Market at Wohl Center. It was determined that the subject was showing a knife to an employee in a non-threatening manner. The knife was confiscated and the matter was referred to Residential Life.

April 5

8 a.m. — A wallet was reported stolen from a staff member's jacket, which was hanging on a coat rack in the research laboratory in Lopata Hall.

3:30 p.m. — A student's portable compact disc player was reported stolen from a studio in Givens Hall.

April 7

3:51 p.m. — An electric pencil sharpener and adding machine were reported stolen from the Spann office in Millbrook Apartments sometime between March 17 and April 7.

April 8

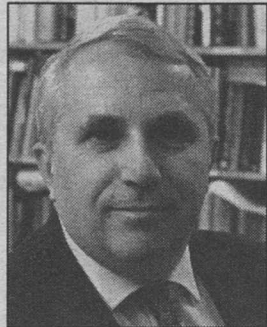
12:27 a.m. — University Police responded to a report that someone was throwing bottles off a balcony at Hurd Residence Hall. Police determined that a bottle shattered the rear window of a vehicle parked on Wydown Boulevard.

On April 3, University Police arrested a subject in Olin Library for indecent exposure. The subject was identified by a female student as the individual who had exposed himself to her earlier that day. The subject, who is not affiliated with the University, was charged with two counts of indecent exposure by the St. Louis County Police Department. University Police are investigating the possibility of a connection between this subject and additional reports of indecent exposure on campus. Also on April 3, University Police traced the source of recent harassing phone calls to students to a patient's room in the psychology ward of Barnes Hospital. The patient has been relocated to a more controlled environment.

Professor wins chemical society's St. Louis Award

Milorad P. Dudukovic, Ph.D., Laura and William Jens Professor and director of the Chemical Reaction Engineering Laboratory, is the winner of the American Chemical Society's 26th annual St. Louis Award. He will receive the award during an April 22 ceremony at Kemoll's Italian Restaurant in downtown St. Louis.

The society's St. Louis Section will present the award to Dudukovic in recognition of his pioneering contributions toward the understanding of multi-phase reactors, his creative extension of reaction engineering methods to produce new materials, and his dedicated



Milorad P. Dudukovic

teaching of the fundamentals of chemical reaction engineering to undergraduates, graduate students and practicing industry engineers. Based in Washington, D.C., the society is the nation's largest professional scientific society.

Dudukovic is a leading figure in multiphase reactors, which are extremely complex systems used by the petrochemical and chemical industries. He has applied sophisticated mathematical analyses to model these reactors and has verified his models with accurate experiments.

Business school honors distinguished alumni

The John M. Olin School of Business honored four distinguished alumni, along with the Dean's Medal recipient, during an April 4 awards dinner at the Ritz-Carlton Hotel in Clayton.

The alumni awards are presented annually to those who have attained distinction in their careers. Recipients are selected on the basis of leadership, progressive thinking, high standards, uncompromising integrity, commitment, courage and confidence.

The 1995 Distinguished Alumni Award recipients are: John P. Dubinsky, LA '65, MBA '67, president and chief executive officer, Mark Twain Bancshares Inc. in St. Louis; J. Stephen Fossett, MBA '68, president, Marathon Securities Inc. in Chicago; Nancy J. Mattson, MBA '78, managing director, Argent Group Ltd. in San Francisco; and Jack C. Meng, MBA '68, president and chief executive officer, Schreiber Foods Inc. in Green Bay, Wis.

The Dean's Medalist recipient is Nicholas Dopuch, Ph.D., Hubert C. and Dorothy R. Moog Professor of Accounting and director of the school's doctoral program. The Dean's Medal is awarded to special friends whose dedication and service to the school have been exceptional.

Dopuch has played a vital part in the growth of the Olin School in the years following the 1981 Business School Task Force. As a senior faculty member and director of the doctoral program since 1983, he has been responsible for the program's rebirth and for the high academic and research standards of the school's accounting area. Since 1968, he has been the editor and co-editor of the Journal of Accounting Research, the premier academic accounting journal in the country.

Obituaries

Alvin Goldfarb dies at 75

Alvin Goldfarb, M.D., assistant professor emeritus of clinical surgery (general surgery), died March 30 at his Creve Coeur, Mo., home. He was 75. Goldfarb began his career at the School of Medicine in 1976 as an assistant professor of clinical surgery. He retired in December 1993 and attained the emeritus title in January 1994. He received a bachelor's degree in liberal arts in 1940 and a medical degree in 1943, both from Washington University.

For The Record

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

Of note

Four students won prizes from the African and Afro-American Studies Program. Senior **Chithra Ambalam**, sophomore **Brent Gilmore** and senior **Otis Gordon** received the James Baldwin Essay Prize for essays on African-American culture. Each student will receive \$200. Ambalam's essay was titled "Will the Real Booker T. Washington Please Stand Up?" Gilmore's work was titled "What's In Our Eyes: A Personal Essay on Staring." Gordon wrote about "Black Nationalism in the Great Negro Exodus and the Establishment of All-black Towns." Senior **Michael G. Holzman** received both the Ralph Bunche and the Henry Hampton prizes. The Bunche prize is awarded for essays on African-Americans and politics. Holzman won the Bunche prize for his essay on "Huey Newton as America's Worst Nightmare and a Black Nationalist Dream." He received the Hampton honor for his essay on "The Tension in Nationalism." The Hampton prize cites the best essay on any book by Martin Luther King Jr. or the civil rights movement. Both prizes include a \$100 cash award. The students will receive their prizes during an April 28 ceremony in the Association of Black Students' Lounge in the Women's Building. ...

Randy L. Buckner, a doctoral student in the laboratory of **Steven E. Petersen**, Ph.D., associate professor of neurology, was the predoctoral recipient of the 1995 James L. O'Leary Prize for Research in Neuroscience. His research was titled "The Functional Anatomy of Human Memory Retrieval: Insights From Neuroimaging and Lesion Studies." **Anatoli N. Lopatin**, Ph.D., a postdoctoral fellow in the laboratory of **Colin G. Nichols**, Ph.D., assistant professor of cell biology and physiology, was the postdoctoral recipient of the 1995 James L. O'Leary Prize for Research in Neuroscience. His research was titled "The Mechanism of Inward Rectification of Potassium Channels." O'Leary, M.D., Ph.D., a faculty member at the School of Medicine from 1928-1975 and head of the Department of Neurology from 1963-1970, was an outstanding neuroanatomist and neurophysiologist who played a major role in establishing neuroscience and clinical neurology at Washington University. ...

Janet M. Connolly, Ph.D., research assistant professor of genetics, received a \$660,000 five-year grant from The National Institutes of Allergy and Infectious Diseases for a study titled "Cytotoxic T Lymphocyte Recognition of Major Histocompatibility Complex Class I." ...

Aubrey R. Morrison, M.D., professor of medicine and of molecular biology and pharmacology, was elected a fellow of the Royal College of Physicians of Ireland. ...

Michael W. Vannier, M.D., professor of radiology and head of the image processing laboratory at the School of Medicine's Mallinckrodt Institute of Radiology, received the Special Service Recognition Award from the St. Louis Metropolitan Medical Society. He received the honor for his strong advocacy of continuing medical education for physicians. Vannier received the award during the society's 17th annual meeting held in St. Louis.

Speaking of

Larry E. Davis, Ph.D., associate professor of social work, delivered the Whitney M. Young Jr. keynote address at the Western Michigan University School of Social Work in Kalamazoo. His talk was titled "The Increasing Significance of Race and Class in America." ...

John Drobak, J.D., professor of law, delivered a lecture titled "Transaction Cost Economics and Antitrust Law" at the University of Missouri-Columbia.

The lecture was co-sponsored by the university's School of Law and the Department of Economics. ...

During the Middle East Literary Seminar at Princeton University, **Peter Heath**, Ph.D., associate professor of Arabic language and literature and chair of the Department of Asian and Near Eastern Languages and Literatures, presented a paper on "Memory, Recollection and Evaluation in Premodern Arabic Literature." He also presented a paper titled "Ibn al-Muqaffa's Rhetoric of Worldly Wisdom" at the American Oriental Society's 205th meeting in Salt Lake City. ...

Charles L. Leven, Ph.D., professor emeritus of economics, co-authored two papers presented at the Regional Science Association's North American meetings in Niagara Falls, Ontario, Canada. The papers were titled "Turn-around of Central Cities in Large Metro Areas?" and "The Effects of Quality of Life on Urban Population Changes." Leven wrote the first paper with **Mark Jensen**, Ph.D., and the second paper with **Mark Stover**, Ph.D. Both received doctorates in economics from Washington University. All three individuals made presentations at the meetings. ...

Carter Revard, Ph.D., professor of English, gave poetry readings at Hartwick College in Oneonta, N.Y., Sarah Lawrence College in Bronxville, N.Y., and Amherst College in Massachusetts. In addition, he delivered a poetry reading and a lecture on "Coyotes in Medieval Florence, London and Arizona" at Cornell University. ...

J. Gershon Spector, M.D., professor of otolaryngology, was the guest of honor and main speaker during the Illinois Society of Ophthalmology and Otolaryngology's 104th convention in Springfield. He presented lectures on "Management of Carcinoma of the Larynx," "Surgical Management of Facial Paralysis: Neural Methods," "Glomus Tumors of the Head and Neck" and "Experimental Neural Regeneration." ...

Kristin E. S. Zapalac, Ph.D., assistant professor of history, delivered the Committee on Medieval and Renaissance Studies Annual Lecture at the University of Missouri-Columbia. Her lecture, titled "Defining Differences in the 16th Century," was co-sponsored by the graduate school's Committee on Medieval and Renaissance Studies, the Rufus and Sophie Paine Lectures in Religion, and the departments of history, English, Romance languages, German and art history.

On assignment

Shirley K. Baker, dean of University Libraries, was named chair-elect of the On-line Computer Library Center's

Research Library Advisory Committee. The committee advises the center on research libraries' needs in regards to international resource sharing, cataloging and acquisitions support. ...

Neil N. Bernstein, LL.B., professor of law, was elected to the Gateway Insurance Co.'s board of directors. Gateway is a Missouri property and casualty company that specializes in commercial and sub-standard automobile insurance. ...

Stephen H. Legomsky, J.D., D.Phil., Walter D. Coles Professor of Law, was named to a working group that will recommend comprehensive reforms of the political asylum process to the U.S. and German governments. The American Academy of Arts and Sciences named Legomsky to the group. He and other group members each prepared lengthy papers and recently met in Cambridge, Mass., to begin discussions. ...

Barbara Schaal, Ph.D., professor and chair of the Department of Biology, was elected president of the Botanical Society of America, which encompasses all areas of plant science.

To press

David M. Becker, J.D., Joseph H. Zumbalen Professor of the Law of Property, wrote an article on "Tailoring Perpetuities Provisions to Avoid Problems" that was published in the March/April 1995 edition of the Probate & Property journal. ...

Gerald Early, Ph.D., professor of English and director of the African and Afro-American Studies Program, wrote an essay on "'Super Fly' Meets 'Our Daily Bread'" that was published in the spring 1995 edition of Hungry Mind Review: A Midwestern Book Review. In addition, he spoke on "1895, 1995: The Changing Same of Race in America" at the American Academy of Arts and Sciences' End of the Century conference in Washington, D.C. ...

Udo Kultermann, Ph.D., Ruth and Norman Moore Professor Emeritus of Architecture, was a contributor to the third edition of "Contemporary Architects." He contributed essays about 10 architects. As an adviser, Kultermann also helped select the architects featured in the comprehensive volume. He was the only American to serve as an adviser. St. James Press of New York is the publisher.

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.

New job opportunities announced

For more information on the following new job opportunities, call 935-5990 for the Hilltop Office of Human Resources or 362-4920 for the human resources office at the School of Medicine.

Hilltop Campus

Personal Computer Support Technician 950237. School of Law. Requirements: certificate or associate's degree, bachelor's degree preferred; extensive experience with IBM mainboards, add-on cards, hard disk drives, communication hardware and software; some network experience helpful; experience with a variety of personal computer-based software, specifically WordPerfect, Windows, spreadsheets, scanning (OCR), and database; strong DOS background; ability to stay on track regardless of interruption and to do so without prompting; ability to work independently for long periods without instruction; excellent verbal communication skills. Resumé required.

Medical Campus

Project Leader (Data Processing) 950750-R. Medical Computer Network. Requirements: bachelor's degree in computer science, management information systems or engineering with one to three years experience managing a technical team.

Medical Secretary II 950757-R. Cardiology. Requirements: high school graduate or equivalent; three years experience in a medical office setting; knowledge of medical terminology, medical reports and medical insurance; experience with WordPerfect 5.1; typing 60 wpm.

Dialysis Nurse 950764-R. Kidney Center. Schedule: Full time, 12.5 hours per day, three days per week, rotating Saturdays. Requirements: graduate of an accredited school of nursing with Missouri license.

Surgical Assistant-Animal 950769-R. Cardiology. Requirements: associate's degree, bachelor's degree preferred; animal surgery skills; ability to analyze data and plan projects independently.

User Support Analyst II 950774-R. Medical Computer Network. Requirements: bachelor's degree in computer science, management information systems or engineering, plus one year experience in providing end-use support and one year experience with networking applications; expertise with Windows operating system and Macintosh.

Medical Secretary I 950790-R. Metabolism. Requirements: high school graduate or equivalent; some business or secretarial school training preferred; experience with WordPerfect and Lotus 1-2-3 or other spreadsheet software; knowledge of medical terminology; typing 60 wpm.

Committee members, colleagues, faculty characterize Wrighton

"MARK WRIGHTON HAS the right experience and, more importantly, the right qualities of heart and mind. He has intelligence, energy, integrity, imagination, breadth, vision and understanding of people, which is what we need at Washington University, especially as we enter very challenging times. I am absolutely delighted that our leader will be Mark Wrighton."

— **Chancellor William H. Danforth**

"DR. WRIGHTON UNDERSTANDS the importance of diversity in an undergraduate curriculum and has been a champion for the humanities at MIT, where science is king. In addition, Dr. Wrighton has been commended as a teacher of undergraduates; he has been described as gifted in the art of translating difficult scientific thoughts into accessible language and concepts. As provost at MIT, he has been able to maintain an active research lab where he has trained many graduate students and postdoctoral fellows. He was also instrumental in creating programs which support faculty members who demonstrate excellence, which insist upon the recruitment of the strongest faculty, and which maintain the highest standards for student admission and student services. The student representatives to this committee are confident that we have chosen an excellent chancellor for Washington University."

— **Susan Culican, M.D.-Ph.D. student at the School of Medicine, 1990 graduate of the College of Arts and Sciences, and member of the Search Committee**

"MIT HAS BEEN BLESSED with a succession of outstanding provosts, and Mark Wrighton certainly has continued this tradition. His leadership has been very important to the continued excellence and vitality of MIT. He has kept the values of the academy at the heart of administrative actions, and I want to express my profound personal gratitude and respect for his exemplary service."

— **Charles M. Vest, president, MIT**

"THE BOARD OF TRUSTEES selected a young, dynamic national leader in American higher education to become the next chancellor of Washington University. We believe that you will find him superbly qualified for this important position. Credentials, however, are only part of the story. In Mark Wrighton, we also have found those personal qualities of leadership, character and vision so necessary for the future advancement of Washington University."

— **William M. Van Cleve, chair of the Washington University Board of Trustees and chair of the Search Committee**

"I CERTAINLY SHARE Bill Van Cleve's enthusiasm and excitement over the selection of Mark Wrighton to be the next chancellor of Washington University. We began by setting our sights high and we never wavered. We wanted a truly distinguished leader, and an experienced university administrator. Consistent with both of Washington University's missions, we wanted both an excellent teacher and a highly regarded researcher. We wanted someone with broad interests, and with the ability to reach out to the Washington University community — faculty, students, alumni, parents, friends, supporters — and to the larger communities of which we are a part."

— **James W. Davis, Ph.D., professor of political science and vice chair of the Search Committee**

"MARK WRIGHTON is the best chemist and the best academic administrator per pound that I know. He understands intellectual quality and he has the energy and interest in people to assure progress in both education and research. Washington University is enormously fortunate to have attracted him to St. Louis."

— **John Deutch, U.S. deputy secretary of defense and director-designate of the CIA**

"MARK WRIGHTON AND I have collaborated for more than 20 years. He is a very careful listener who learns quickly. As provost of MIT, Mark was responsible for everything from hard-core engineering to

science to humanities to economics to business. The new trick at Washington University, of course, will be medicine, but there is no doubt that he can learn anything he puts his mind to. Everyone will note that he is an extremely personable individual, a very hard worker, interested in the details of the job, and a thoroughly dedicated person. Washington University is getting a treasure. It is a real loss for the Cambridge area."

— **George McClelland Whitesides, Mallinckrodt Professor of Chemistry, Harvard University**

"WE VERY CAREFULLY reviewed the candidates to be sure that they would have the ability to work with key audiences of the institution beyond the Hilltop and Medical campuses. I believe Mark Wrighton has the energy and dynamism to do exactly that. It is important to recognize leadership that engages the interests, hearts and minds of the people around you. Again, I believe Mark Wrighton can do exactly that. There is so much that has to be done if we are to provide the level of philanthropy, volunteerism and parental commitment that supports our students and faculty and the great work they do here at Washington University. To do this requires high energy, long working days and few restful weekends. Again, I believe that Mark has done this and will continue to do it here at Washington University. I am so delighted that we have found someone of such extraordinary capability."

— **Mary Ann Krey, Washington University trustee and alumna**

"THE NAMING OF MIT Provost Mark Wrighton as the next chancellor of Washington University in St. Louis is not the first connection between the two universities. From 1945 to 1949, the famous physicist brothers Arthur and Karl Compton headed the two universities. Karl Taylor Compton was president of the Massachusetts Institute of Technology from 1930 to 1949; Arthur Holly Compton, who won the Nobel Prize in physics in 1927, served as chancellor of Washington University from 1945 to 1953."

— **Ken Campbell, director of news office, MIT**

"AMONG THE MOST IMPORTANT credentials in searching for a chancellor are the candidate's prior experience as a faculty member, as a scholar and as a teacher. I am extremely pleased that Mark Wrighton is one of the outstanding chemists in the world today and an excellent teacher of graduate and undergraduate students. Mark Wrighton is an accomplished scientist and scholar in chemistry, having published more than 400 articles in his field of photochemistry, and co-authoring an important book in this discipline. Furthermore, he has been the consulting editor for a major introductory text in freshman chemistry. He also has a good sense of humor, which is a precondition for any success as an academic leader."

— **Paul Michael Lützel, Ph.D., Rosa May Distinguished University Professor in the Humanities and professor of Germanic languages and literatures**

"DURING MY MANY YEARS at Washington University, I have served as a member of the faculty, assistant to the chancellor, departmental program chair, and now I am a dean. One thing this has taught me is immense respect for those who seek to lead institutions of higher education. We are certain Washington University is the right place for Mark Wrighton. Not only has he been an extraordinary scholar and teacher, but he has served as chief academic officer of one of the finest institutions of higher education in the world. He has a strong ability to understand complex issues, to see where extra effort should be invested, and he is a person of high integrity. I am proud that he will be our colleague at Washington University."

— **James McLeod, dean of the College of Arts and Sciences**



Mark S. Wrighton, Ph.D., at an April 10 press conference announcing his appointment as chancellor-designate of Washington University.

Wrighton outlines educational mission — from page 1

university community has adopted a commitment to enhance its contributions in this arena. I will work toward this objective. The educational mission of a research-intensive university includes teaching, original scholarship, and service. Washington University is strong in all of these aspects of university contribution, and it will be rewarding to work with the entire University community on these areas.

"The Search Committee and its leaders Mr. William Van Cleve and Professor James Davis have demonstrated to me their resolve to sustain the growth of the University that has been nurtured under the stewardship of Chancellor Danforth. Every step of the selection process was impressively managed and with each step they helped to build my conviction that Washington University is poised for even greater national and world prominence. The resolve to improve; the support from the St. Louis community, and the financial strength of the University are among the factors that attracted me to this position. But the most compelling factor has been the quality and commitment of the people. The students, the faculty, staff, trustees, alumni, and friends of the University have created a friendly, caring, and stimulating environment in which to implement an impressive set of educational programs on the Medical and Hilltop campuses. It will be enjoyable to become a part of this learning community.

"Higher education in America is the envy of the world. Sustaining this world leadership position in these challenging, changing, and difficult times is vital to American society, and Washington University will continue to play an important role in this enterprise. To say that this is an era of change is, of course, a cliché, but it is an era of change for universities no less significant than the era immediately following World War II when the partnership between the research-intensive universities and the federal government was shaped. In the past several years we have been involved in a real war with Iraq, the Soviet Union has collapsed, the Cold War has ended, American industry has been re-positioning itself

to compete in a global marketplace, and we face many domestic problems, including environmental problems, the call for healthcare reform and pressing social problems affecting a significant fraction of our population. In addition to the traditional reasons for supporting research universities, namely contributing to national security and enhancing human health, we must now add "relevance" — relevance to economic competitiveness to be sure, but relevance as well to addressing other critical problems facing humankind. Research-intensive universities have a responsibility to the public supporting them, and Washington University has forged linkages with government, industry, foundations, and individuals that will continue to encourage research leading to ideas, innovations, and inventions which will bring benefit to society. We must also foster cultural advancement, artistic contributions, and humanistic inquiry that enhances the quality of life and expands our hopes and dreams.

"A way to view research-intensive universities is to note that we represent institutions responsible for the development of human capital — our most important asset. The resources expended in this endeavor are therefore an investment. The quality of teaching and scholarship and the successes of our most important products, our students, are our highest priority. The return on investment in the development of human capital is reflected in the careers and accomplishments of our graduates. Together the Washington University community can meet the challenges of this new era and provide the most outstanding opportunities for our students, faculty, and research staff.

"I thank all those responsible for my appointment as chancellor and those who have invested in me and my development as a scholar. Looking forward, I see an even greater Washington University building on the successes of the past and responding to the problems of today and tomorrow. With the help of the Washington University community we will succeed."

Wrighton earned doctorate at 22 — from page 1

in 1977. When he was named Frederick G. Keyes Professor of Chemistry in 1981, Wrighton became at age 32 one of the youngest persons to hold a named professorship at MIT. He was named head of the chemistry department in 1987 and held that post until autumn 1990 when he became provost. In 1989 he was named the first holder of the Ciba-Geigy Professorship.

An outstanding teacher, Wrighton received the chemistry graduate teaching award in 1981 and was co-recipient of the MIT School of Science prize for excellence in undergraduate teaching in 1987. Wrighton is a fellow of the American Academy of Arts and Sciences, a fellow of the American Association for the Advancement of Science, and he has received alumni awards from Caltech and Florida State. Wrighton has lectured widely and has given more than 40 named lectures at colleges and universities in the United States and abroad. He serves on the boards of directors of H.Lix Technology Corp., Ionics Inc., Woods Hole Oceanographic

Institution, Draper Laboratory, and OIS Optical Imaging Systems Inc. He has done extensive consulting and advising to industry, including GTE, Proctor & Gamble, Northrop, Corning Glass, General Electric, General Motors and Igen, to name a few.

Wrighton also is recognized for his public service to government, including memberships on panels for the Air Force Office of Scientific Research, Sandia Laboratories, Department of Energy, Oak Ridge National Laboratory, National Science Foundation, National Research Council, Brookhaven National Laboratory, Electric Power Research Institute, and the Advanced Research Projects Agency.

He is a member of the American Chemical Society, from which he has received the ACS awards in Pure Chemistry (1981) and Inorganic Chemistry (1988). He is a member of the Materials Research Society and Sigma Xi.

Wrighton, now divorced, has two children, James, 17, and Rebecca, 14, both of whom attend private schools in Boston.