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WU welcomes Society of Environmental Journalists

Washington University will play host to the world's largest organization of environmental journalists when it welcomes the Society of Environmental Journalists (SEJ) to St. Louis on Thursday, Oct. 17.

That is the opening day of the SEJ Sixth Annual Conference, in which an anticipated 400 environmental journalists, educators and industry representatives from across the nation and parts of the world will explore environmental problems and topics and the St. Louis region itself.

The conference opens Thursday with field trips during the day and an evening reception at the Missouri Botanical Garden. The conference ends Sunday,

Oct. 20, with sessions at the St. Louis Zoo and the Saint Louis Art Museum in Forest Park. In between, participants will attend sessions Friday, Oct. 18, at Union Station's Hyatt Regency St. Louis. Other sessions and mini-tours on the Hilltop and Medical campuses are scheduled for Saturday, Oct. 19.

University faculty and staff are plentiful on the conference agenda. Nearly 30 individuals from the University have roles in sessions or tours in an effort to bring their environmental expertise and perspectives to SEJ members.

SEJ is one of the fastest-growing journalist organizations in the country, with a membership of more than 1,200 journalists, students and educators nationwide. Begun in 1990 as the brain-

Park politics

By hiking through the nation's parks and talking with those who use them and run them, William R. Lowry, Ph.D., has discovered the detriments of political involvement in park management. (See story on page 3.)

child of about 25 environmental journalists, the society's membership includes free-lancers, undergraduate students, World Wide Web on-line reporters, Pulitzer Prize-winning journalists, and noted book authors.

"Washington University is pleased and honored to sponsor the Society of Environmental Journalists for its annual

conference," said Chancellor Mark S. Wrighton, who officially will welcome participants before the plenary session on Friday. He also will greet attendants at a dinner that evening.

Wrighton has been instrumental in back-to-back SEJ conferences. As provost at the Massachusetts Institute of Technology, he encouraged SEJ to hold its fifth annual conference there in 1995. He now welcomes the organization to Washington University as its chancellor.

"Environmental studies are important components of our curriculums across disciplines, and we have a strong and enduring tradition in environmental research," Wrighton said. "We believe it is important to help foster a better under-

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Elizabeth "Ibby" Gray Danforth unveils a commemorative plaque fastened to a stone during the Thursday, Oct. 10, dedication of a butterfly garden in her honor. On the left is Jan Kardos, chair of the Butterfly Project. The plaque reads: "Ibby's Garden. With Thanks and Appreciation to Elizabeth Gray Danforth. From the Woman's Club of Washington University. Dedicated October 10, 1996." The garden is located just west of Stix International House.

'Ibby's Garden'

A vision of thanks takes wing and blossoms

To quote from the film "Field of Dreams" — "If you build it, they will come."

In the movie, the lure was a baseball diamond built in the midst of an Iowa cornfield. For Washington University, the latest enticement on the Hilltop Campus is "Ibby's Garden," a butterfly garden that officially was dedicated Thursday, Oct. 10.

Located directly west of Stix International House, the butterfly garden is a gift to the University from the Woman's Club in honor of Elizabeth "Ibby" Gray Danforth.

While butterflies are notorious sun-worshippers, the only winged nectar-lover present at Thursday's blustery, 50-degree dedication was the inflated Mylar variety. But befitting the warm feelings toward the guest of honor, the sun briefly broke through the clouds at the 1 p.m. start time. At the end of the ceremony, the sun

again burst through to beautifully frame the 20-minute tribute attended by more than 100 friends and well-wishers.

Woman's Club President Lorraine Gnecco made the official presentation to Executive Vice Chancellor Richard A. Roloff, saying, "It is our hope that 'Ibby's Garden' will be enjoyed by all — students, staff, faculty, passers-by, anyone who would like to spend a few minutes in this special little part of campus and pretend the whole world was as lovely and as peaceful as this spot."

The dedication ceremony also included the unveiling of a bronze plaque on a Missouri limestone rock. Afterward, a reception was held at the home of Professor Robert McDowell, Ph.D., and his wife, Att, whose yard is adjacent to the garden.

"It's all very touching," Elizabeth Danforth said in the warmth of the McDowell home. "When I looked out and saw all those wonderful friends — all

those people who worked on the garden or who came to see it — I did choke up a bit. I'm thrilled with the garden. It's just lovely."

Designed to attract both the young (caterpillars) and the mature (butterflies), butterfly gardens entail very specific design characteristics. Food plants are needed for the caterpillars, nectar plants for the adults. Because a butterfly needs to raise its body temperature in order to fly, it will perch on flowers and shrubs to bask in the sun and absorb the solar benefits until its body reaches 86 degrees to 104 degrees Fahrenheit. Scientists also know that butterflies have the ability to identify colors — with purple, pink, yellow and white being of preference.

"Ibby's Garden," which was designed by June Hutson, outdoor project coordinator at the Kemper Center for Home Gardening at the Missouri Botanical

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Researchers study racial conflict in small groups

Racism and racial conflict within small groups appear to be more of a problem for men than for women, according to Washington University researchers.

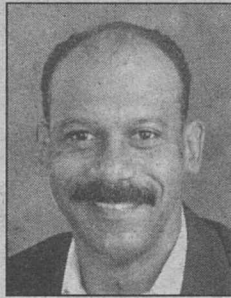
"Our study suggests that much of what we claim to know about race relations may be more indicative of male behavior than female behavior," said Larry E. Davis, Ph.D., a professor in the George Warren Brown School of Social Work and in the Department of Psychology in Arts and Sciences. "It also shows that composing small groups with equal numbers of blacks and whites can be a recipe for conflict, especially where men are concerned."

Sponsored by the National Science Foundation, the study was published in last month's issue of the journal Social Work Research.

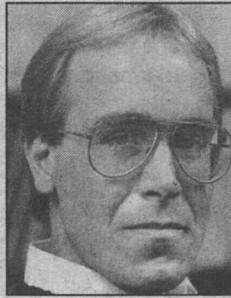
Davis and co-author Michael J. Strube, Ph.D., professor of psychology, say the study has some interesting implications for business managers, sports coaches, trial lawyers and anyone who supervises or works with small inter-racial groups.

"A lot of managers might consider it common sense to include equal numbers of blacks and whites when putting together special work teams and commit-

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Larry E. Davis



Michael J. Strube

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A patient simulator at the Medical Center teaches health professionals how to react in crisis situations

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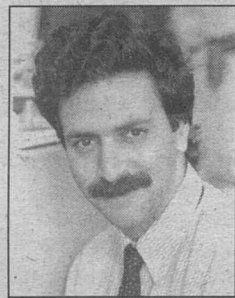
Business Week magazine ranks the business school's MBA program 16th nationally

Medical Update

Medical professionals now can train on patient simulator

Washington University Medical Center is the only medical facility in the Midwest with a clinical patient simulator. The interactive device allows doctors, medical students and other health professionals to receive hands-on training in realistic surgical anesthesia, critical and emergency care, and advanced cardiac life support.

The simulator is located in the Clinical Simulation Center at Barnes-Jewish Hospital. The center, which will open officially Oct. 25, is a joint effort of the School of Medicine and its departments of Anesthesiology, Pediatrics and Surgery, and BJC Health System, which operates Barnes-Jewish Hospital.



Alex S. Evers

The simulator is in a large operating room at Barnes-Jewish Hospital. A mannequin lies on an operating table. It can simulate breathing and has a heart-beat; its limbs can be broken and set; and it is attached to the same kind of anesthesia and monitoring equipment used for real patients. It also can bleed, though blood loss is measured by monitors.

The mannequin also has sensors that react to various drugs and other treatments according to the scenario the simulator has been programmed to mimic.

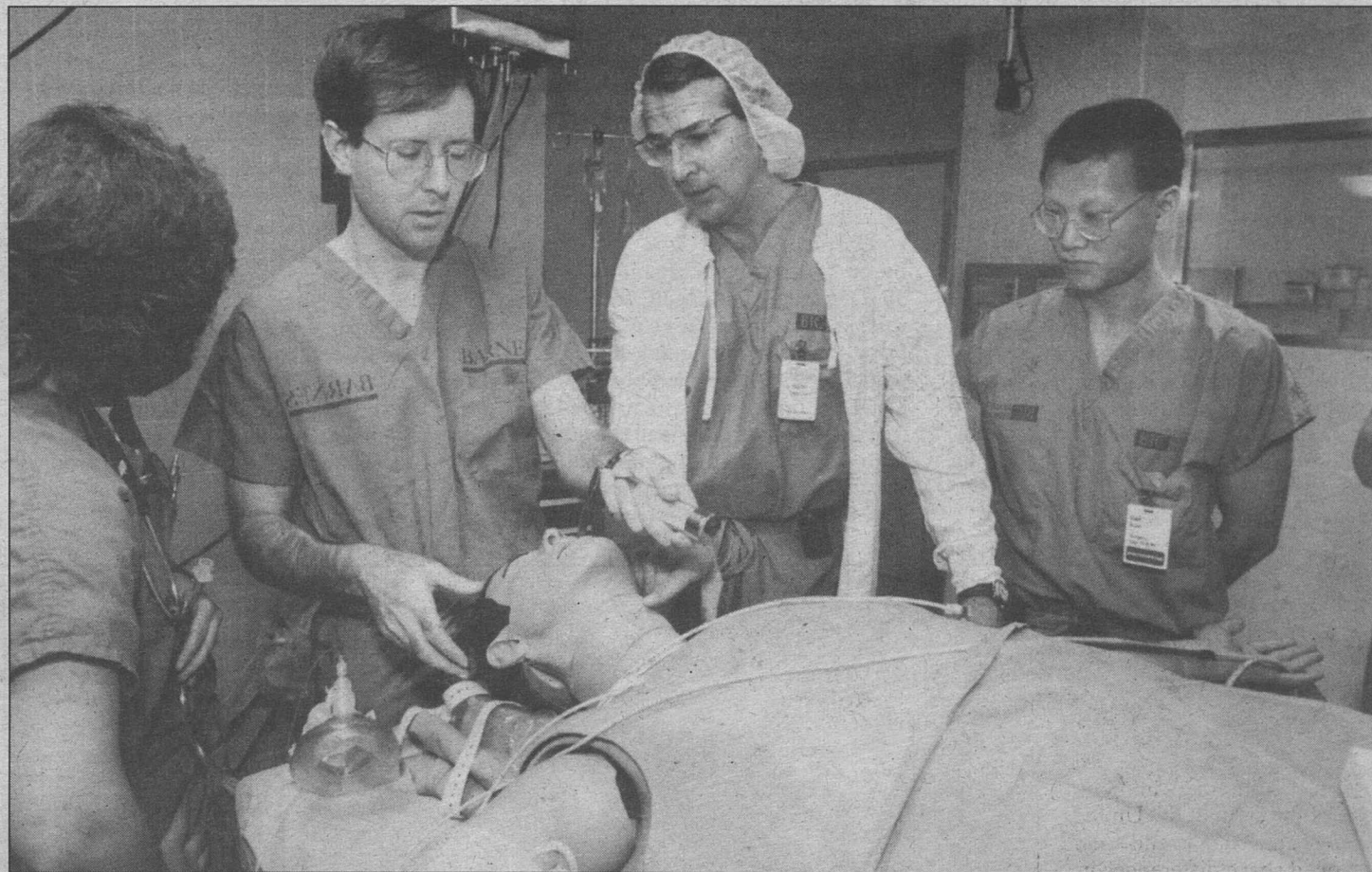
As a team trains in the operating room with the mannequin, an operator runs the scenario from a bank of computers in an adjacent room and observes the scene through a one-way mirror. Because the computer runs in real time, scenarios unfold in a realistic way, just as if a human was on the table.

The clinical simulator is one of only nine in North America. "Because it can simulate the same situation many times, it allows medical professionals to work on critical problems over and over again," said David J. Murray, M.D., associate professor of anesthesiology and director of the Clinical Simulation Center.

For example, all anesthesiologists in training learn about malignant hyperthermia. It is an inherited condition characterized by a rapid and often fatal rise in body temperature during general anesthesia. But the condition also is very rare, affecting only about one in 50,000 adults. "I've been in operating rooms for

15 years, and I've seen malignant hyperthermia once," explained Alex S. Evers, M.D., the Henry Eliot Mallinckrodt Professor and head of the Department of Anesthesiology. "But with the simulator, instead of one case in 15 years, I could diagnose and manage 20 episodes in one week!"

— Jim Dryden



Fourth-year medical student Paul Kotzbauer, left, inserts an endotracheal tube into a clinical patient simulator at Barnes-Jewish Hospital as David J. Murray, center, director of the Clinical Simulation Center, and Han Kim, a third-year student, observe. The Medical Center is the only medical facility in the Midwest with this interactive device. The simulator provides medical professionals with hands-on training in surgical anesthesia, critical and emergency care, and advanced cardiac life support.

Practice standards team develops seven service goals

Recommendations for a new practice plan designed to improve the School of Medicine's clinical practice recently were announced by Practice Plan Steering Committee members, who began work on this initiative last January. The overall goal of the practice plan is to improve the school's competitive position in a rapidly changing and cost-conscious health-care environment.

The key to achieving this goal is the maintenance and growth of the medical school's patient base — a vital component in the medical school's tripartite mission of patient care, research and education.

"One of the primary goals of the new practice plan is to enhance the quality of service provided by the School of Medicine to both patients and referring physicians," said Alan L. Schwartz, M.D., Ph.D., Alumni Endowed Professor of Pediatrics and head of the Department of Pediatrics. "By standardizing this high level of service across all clinical departments, we hope to improve patient and referring physician satisfaction and maintain our referrals."

Schwartz is a member of the Practice Plan Steering Committee and co-chair of the Practice Standards Design Team, which is made up of department heads and faculty and staff. The team reviewed the medical school's clinical practice standards after analyzing service standards at more than a dozen academic medical centers and high-service organizations, including Johns Hopkins University in Baltimore; the Mayo Clinic in Rochester, Minn.; and Duke University in Durham, N.C.

The team, through patient and referring physician surveys, reviewed several indicators of the medical school's service quality, including appointment wait times, efficiency of the appointment

scheduling and registration processes, convenience and ease of access to medical office facilities, waiting room times, and general friendliness and courtesy of caregivers and office staff.

"While many of our departments already employ high standards of service quality, we found several areas in the medical school's overall standards — including appointment wait times and referring physician follow-up — to be in need of enhancement," said Barbara S. Monsees, M.D., associate professor of radiology and a member of the Practice Standards Design Team.

To improve both patient and referring physician satisfaction, the Practice Standards Design Team has developed seven goals with specific service recommendations designed to achieve each goal. These goals and recommendations have been approved by the clinical department heads, who have been communicating them to their faculty. Service goals and sample recommendations are listed below:

1) Faculty and staff will be knowledgeable about services provided by the medical school and will be efficient in assisting patients in using these services.

Scheduling: Patients will be seen the same day for emergency care, and urgent appointments will be scheduled within 48 hours. Routine appointments will be scheduled within three weeks.

Registration: Office-visit registration will be completed within 15 minutes after a patient's arrival. Patients will be taken to an exam room within 20 minutes after arrival and will be seen by staff within 10 minutes after being taken to an exam room.

Patient/referring physician communication: Patients will receive necessary information prior to appointment arrival. All necessary information will be

obtained from the referring physician prior to the patient visit.

Telephone service: Telephone calls will be answered in four rings during business hours, and on-hold time for calls will be less than three minutes.

Directories: Accurate, up-to-date faculty directories will be available for use by faculty, staff, patients, referring physicians and payers.

2) The medical school's facilities and staff will be patient-friendly and used efficiently.

3) The medical school will develop its own system to track patient satisfaction and will respond accurately and efficiently to all external surveys, audits and questionnaires.

4) Patients will receive accurate information on necessary follow-up activities. Educational materials will be provided to patients, and follow-up appointments will be scheduled prior to patient departure.

5) Patient privacy will be maintained at all times and will be protected prior to, during and after appointments.

6) Records of all patient visits will be accurate, and all necessary information will be provided to referring physicians, payers and patients. Accurate medical records, bills and test results will be promptly provided to patients and referring physicians.

7) Faculty will be responsive to referring physician needs. Faculty will respond to referring physician calls within four to six hours. Visit results will be reported to referring physicians within 48 hours.

The work of other practice plan design teams will be highlighted in upcoming issues of the Record.

Faculty and staff are encouraged to send questions and/or comments about the practice plan recommendations to Joan Podleski at Campus Box 8098.

Town Hall meeting

A third Town Hall meeting for faculty to discuss the Barnes-Jewish Hospital/Washington University Medical Center facilities makeover plan will be from 7 to 8:30 a.m. Tuesday, Oct. 22, in the main auditorium of the Eric P. Newman Education Center.

Record

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Washington

WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Lowry shows that politics, parks don't mix

William R. Lowry, Ph.D., associate professor of political science in Arts and Sciences, was a bit startled last summer when he walked into the visitors center at California's Yosemite National Park and noticed his most recent book for sale.

"It was a great feeling to see my book on display at a park where I used to have a job cleaning the outhouses," said Lowry, a former park ranger who now is one of the nation's leading authorities on the politics of national park management.

Published in 1994 by the Washington, D.C.-based Brookings Institution, Lowry's book, "The Capacity for Wonder: Preserving National Parks," has propelled him to the forefront of a debate about how the national parks of the United States and Canada should be managed and preserved for future generations.

The book raises serious concerns about the future of U.S. national parks, arguing that the nation should follow Canada's lead and find ways to prevent politicians from meddling in park management.

A lifelong hiker and camper, Lowry set out in 1991 to see firsthand how the U.S. National Park Service was meeting its twin missions of encouraging the public use of parks while preserving their natural resources for the future. He spent two summers hiking in parks throughout the United States and Canada and soon noticed sharp differences in the morale of park service employees in the two countries.

His research in many respects has been guided by comments and concerns voiced by people who know the national park system best — park rangers and administrators with whom he held long interviews and campers and fellow hikers with whom he chatted along remote wilderness trails.

A tale of two park systems

Lowry's observations, backed up later with government reports and statistics, showed that employee satisfaction in the U.S. National Park Service was at an all-time low. While U.S. park personnel were deeply concerned about the future of the American park system, their Canadian counterparts were upbeat and optimistic.

Struggling to understand the difference, Lowry began piecing together a detailed historical comparison of national park policies and programs in each country. This research, which provides the theoretical basis for his book, makes clear that political interference can have a disastrous impact on park preservation.

In the last 15 years, contends Lowry, the U.S. National Park Service has become a political football — subjected to conflicting messages about its mission, micromanaged by members of Congress and political appointees, embroiled in disputes between pro-business interests and environmental groups, and bereft of broad political support.

Canada, once plagued by similar, if not worse, political interference, has managed a dramatic improvement in park policies in the last decade, Lowry said. The Canadian Park Service now has a decentralized structure in which employees are responsible for managing the parks from the ground level — a system that holds the potential to launch a new era of protection for its sprawling park system.

While Lowry continues to battle for better park preservation in the United States, he recently has turned his attention to international park management. Last summer, he made an extensive tour of parks in Australia and New Zealand and plans a comparative study of park policies there. He also is excited about a new park program in Costa Rica that is attempting to consolidate scattered park holdings into larger blocks representing regional ecosystems and to include a sample of each of the country's ecosystems in its national park system.

He plans, eventually, to use his research on park management policies in various countries to address common political issues, such as whether democratic forms of government can provide effective safeguards for fragile, long-term public goods, such as the ecosystems of national parks.

Lowry joined Washington University as an assistant

professor in 1988, shortly after earning a doctorate in political science from Stanford University. He teaches political science courses at the undergraduate and graduate levels — including a popular interdisciplinary course on the politics of environmental and energy issues — and has won several teaching awards.

"I've been here eight years, and I like it better each year," Lowry said. "It's a great place to teach because the students are so sharp. And, right now, the interest in environmental issues is huge on this campus."

Lowry contends that Washington University quietly has become one of the nation's leading universities for environmental studies, including a wide range of interdisciplinary research and a wealth of environmental courses.

exploring what the University can do to enhance environmental education and research. He also is helping plan a freshman course that brings faculty from various science disciplines together to explore such issues as deforestation and global warming.

Lowry is pleased that the level of environmental interest remains strong on campus, and he contends that students today are actually more conscientious than when he attended school.

Although the environmental movement was in full blossom when Lowry began his freshman year at the University of Oklahoma in 1971, he never thought of it then as a potential career. Unsure of his interests, he began working his way toward a business degree.

"I was one of those kids who had a very hard time trying to figure out what to do with myself," Lowry said. "That's part of the reason I dropped out of school and enlisted in the Navy."

Based out of Norfolk, Va., Lowry spent most of his three years in the U.S. Navy sailing the Mediterranean, Caribbean and North Atlantic oceans as a quartermaster at the helm of a light cruiser, the U.S.S. Biddle. Using the G.I. Bill and a dozen part-time jobs, Lowry then resumed working toward an undergraduate degree — this time at Indiana University.

But his wanderlust had not been tamed. In 1977, he took a semester off to hitchhike across the country. Driving cabs, mowing grass and cleaning outhouses as a park ranger at Yosemite, he financed a grand hiking tour of the nation's most pristine places. In 1978, he headed north to see the grizzlies in Alaska.

He returned to Indiana University and graduated with a bachelor's degree in business in 1979. He then landed a job as an assistant manager at an Osco Drug Store in Chicago. But before long, he found himself pursuing a master's of business administration degree at the University of Illinois at Chicago. He earned the MBA in 1983, but then shifted gears again.

Although he had taken only one political science course in his life, he gained admission to the political science doctoral program at Stanford University. Since then, he has dedicated his research to helping the world gain a better understanding of how its national parks and wilderness areas can best be preserved.

His 'greatest compliment yet'

Lowry's growing impact on national park policies was driven home for him last summer during a backpacking trip through the Canadian wilderness. The Canadian government had launched a major study of how its national parks and wilderness areas were managed, and Lowry was discussing the project with a woman in charge of planning for most of the Canadian Rocky Mountain park system.

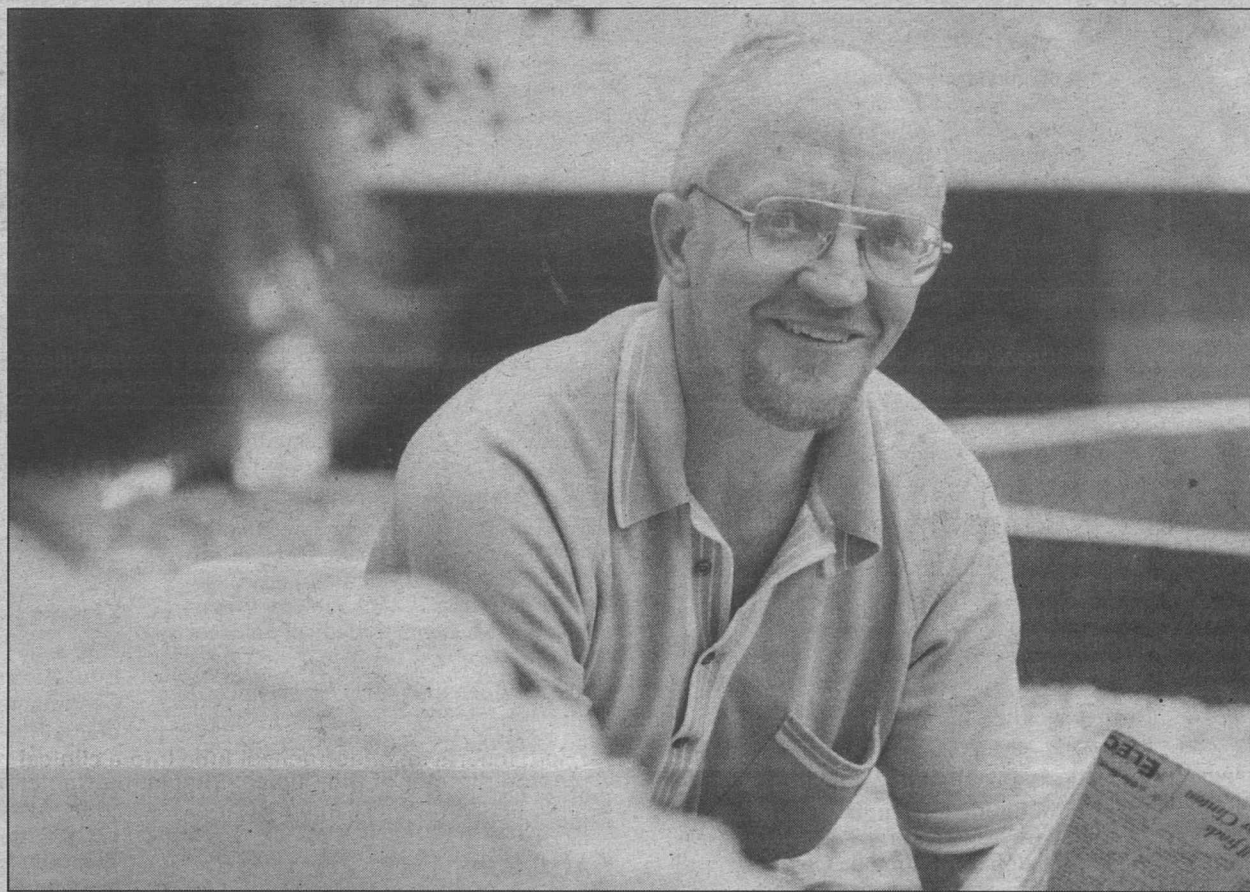
The government's study, she said, was a direct response to a series of articles in the Toronto Globe and Mail newspaper that had been highly critical of industrial development and pollution in Banff National Park, the 2,500-square-mile crown jewel of the Canadian park system. Lowry's research had been cited in the news articles, along with a tirade of scathing comments by Harvey Locke, president of the Canadian Parks and Wilderness Society, about government mismanagement at Banff.

Lowry received what he describes as his "greatest compliment yet" when he asked the woman if she thought his research had an influence on Canadian park policies. "Are you kidding?" she replied. "Harvey Locke carries a copy of your book around with him and quotes from it in public meetings."

For Lowry, the compliment was more than an ego-reassuring pat-on-the-back. It was confirmation that the poorly marked trail that has been his career path — sailor, park ranger, drug-store manager — finally had led him to a job where his labor might make a real difference.

"It's nice to know that the work we do is having an impact on the future of these parks," Lowry said. "I love these parks. These are some of my favorite places in the world. If the work that I do can have an impact on them, then it makes my job very satisfying."

— Gerry Everding



In addition to researching the politics of national park management, William R. Lowry, Ph.D., serves on the Campus Y board of directors and several University committees that tackle environmental issues.

"It's nice to know that the work we do is having an impact on the future of these parks."

While he is content to boast about the quality of collaborative work on campus, other faculty credit Lowry with helping spur the growth of environmental programs here.

"Lowry has been involved with the Environmental Studies Program since we started it five years ago," said program director Everett L. Shock, Ph.D., associate professor of earth and planetary sciences in Arts and Sciences. "He has been one of the central figures in making environmental studies a success on this campus, and his environmental course is one of the most popular with students in the program."

Daniel Gross, a senior majoring in environmental studies in Arts and Sciences, describes Lowry as one of the most passionate teachers he has had at the University. "Lowry teaches in a way that makes students want to get involved in order to make a difference," Gross said.

Getting students involved is a primary focus of Lowry's work on the Campus Y board of directors. A strong supporter of community service, Lowry takes pride in the Campus Y's role as a clearinghouse for student volunteers, including the thousands of students who worked on sandbag and cleanup crews during the "Great Midwest Flood of 1993."

"Lowry has a reputation among undergraduates for being a nice guy who is very approachable and accessible," said William Nickrent, a senior working on a double major in environmental social science and economics in Arts and Sciences.

His reputation for being accessible also may explain why Lowry serves on a half-dozen campus panels and steering committees on environmental issues. In addition to his work with the Environmental Studies Program, Lowry serves on Chancellor Mark S. Wrighton's advisory committee on environmental issues, which currently is

Calendar

Visit Washington University's on-line calendar at <http://cf6000.wustl.edu/calendar/events/v1.1>

Oct. 17-26



Exhibitions

"Art & Science: Investigating Matter." Through Nov. 3. Gallery of Art, upper gallery, Steinberg Hall. Hours: 10 a.m.-4:30 p.m. weekdays; 1-5 p.m. weekends. 935-5490.

"Movable Types: Contemporary British Fine Printing." Through Oct. 30. Special Collections, Olin Library, Level Five. Hours: 8:30 a.m.-5 p.m. weekdays. 935-5487.



Films

All Filmboard movies cost \$3 and are shown in Room 100 Brown Hall. For the 24-hour Filmboard hotline, call 935-5983.

Friday, Oct. 18

7 and 9:30 p.m. Filmboard Feature Series. "Leaving Las Vegas." (Also Oct. 19, same times, and Oct. 20 at 7 p.m.)

Midnight. Filmboard Midnight Series. "Raising Arizona." (Also Oct. 19, same time, and Oct. 20 at 9:30 p.m.)

Monday, Oct. 21

7 and 9 p.m. Filmboard Classic Series. "Cat on a Hot Tin Roof." (Also Oct. 22, same times.)

Tuesday, Oct. 22

6 p.m. Chinese Film Series. "The Spring River Flows East," with English subtitles. Room 219 South Ridgley Hall. 935-5156.

Friday, Oct. 25

7 and 9:30 p.m. Filmboard Feature Series. "Mighty Aphrodite." (Also Oct. 26, same times.)

Midnight. Filmboard Midnight Series. "Dangerous Liaisons." (Also Oct. 26, same time.)



Lectures

Thursday, Oct. 17

4 p.m. Earth and planetary sciences colloquium. "Surface Geochemistry: What Can Be Predicted?" Dimitri Sverjensky, prof. of earth and planetary sciences, Johns Hopkins U. Room 362 McDonnell Hall. 935-5610.

4 p.m. Biology and biomedical sciences seminar. "Genetic Dissection of the Morphological Evolution of Maize." John Doebley, Dept. of Plant Biology, U. of Minnesota, and Dept. of Genetics, U. of Wisconsin. Room 322 Rebstock Hall. 362-7456.

4 p.m. Assembly Series. Keynote address for the Olin Conference: "International Women's Rights: Cross-cultural Perspectives," Marjorie Margolies-Mezvinsky, president, Women's Campaign Fund. Graham Chapel. 935-5285.

Friday, Oct. 18

9:15 a.m. Pediatric Grand Rounds. "Fragile X Syndrome: Diagnosis, Treatment and New Research," Randi Hagerman, prof. of pediatrics, U. of Colorado Health Sciences Center. Clopton Aud., 4950 Children's Place. 454-6128.

Noon. Cell biology and physiology seminar. "The Exocytotic Fusion Pore and Regulation

of Neurotransmitter Release," Julio Fernandez, Dept. of Physiology and Biophysics, Mayo Clinic, Rochester, Minn. Cell Biology Library, Room 426 McDonnell Medical Sciences Bldg. 362-6950.

Saturday, Oct. 19

10-11:30 a.m. University College Science Saturdays. "Nuclear Energy and Nuclear Waste: Boon or Bane?" Willem H. Dickhoff, assoc. prof. of physics. Room 201 Crow Hall. (See story on page 6.) 935-6788.

Monday, Oct. 21

Noon. Chemistry seminar. "Recent Advances in Biological Fourier Transform Mass Spectrometry," Fred McLafferty, prof. emeritus of chemistry, Cornell U. Room 311 McMillen Lab. 935-6530.

3 p.m. Physics lecture. "Quasi Long-range Order in Three Dimensions," Ronald Fisch, adjunct assoc. prof. of physics. Room 241 Compton Hall. 935-6239.

4 p.m. Immunology seminar. "Proteins in the ER That Load Peptides Into Class I MHC," Ted Hansen, prof. of genetics. Eric P. Newman Education Center Aud. 362-3365.

Tuesday, Oct. 22

4 p.m. Business lecture. The David R. Calhoun Jr. Memorial Lecture. Speaker is Edward Whitacre Jr., chairman and chief executive officer, SBC Communications Inc. May Aud., Simon Hall. Reception follows. For reservations, call 935-6300.

Wednesday, Oct. 23

8 a.m. Obstetrics and Gynecology Grand Rounds. "Smoking Cessation Counseling," Dina Levin, chief resident in obstetrics and gynecology. Clopton Aud., 4950 Children's Place. 454-7886.

11 a.m. Assembly Series. "Clowning and Comedy for the Stage," The Reduced Shakespeare Company. Graham Chapel. (See story on page 5.) 935-5285.

1 p.m. Solid-state engineering and applied physics seminar. "A Sixth Sense—Utilization of Multimode Optical Waveguides as Chemical Sensors," T. S. Barry, graduate student in electrical engineering. Room 305 Bryan Hall. 935-5565.

3:45 p.m. Physics colloquium. "The Energy Landscapes of Protein Folding," Peter Wolynes, prof., Dept. of Physics and School of Chemical Sciences, U. of Illinois. Room 204 Crow Hall. 935-6276.

4 p.m. Biochemistry and molecular biophysics seminar. "Studying Transcription One Molecule at a Time," Jeff Gelles, assoc. prof. of biochemistry, Brandeis U. Cori Aud., 4565 McKinley Ave. 362-0261.

4:30 p.m. Jewish lecture. "Eve's Predecessor: Lilith in Jewish Legend and Folklore," Dov Noy, the M. Grunwald Professor of Folklore, Hebrew U. of Jerusalem. Cohen Lounge, Room 113 Busch Hall. 935-8567.

7:30 p.m. Art lecture. WU alumnus Tom Butter, a sculptor teaching at the Parsons School of Design. Steinberg Hall Aud. 935-6500.

Thursday, Oct. 24

Noon. Gallery of Art luncheon lecture. "My Photography, Tales of Travel," Herb Weitman, former director of Photographic Services for 40-plus years. Steinberg Hall Aud. Cost: \$15. Reservations required. 935-5490.

3 p.m. Physics lecture. "Self-dual Chern-Simons Theories," Gerald Dunne, prof., U. of Connecticut. Room 241 Compton Hall. 935-6242.

4 p.m. Environmental engineering lecture. "History and Perspectives of Hydrologic Research," Rafael L. Bras, chair, Dept. of Civil and Environmental Engineering, Massachusetts Institute of Technology. Room 362 McDonnell Hall. 935-5610.

4 p.m. Cardiovascular bioengineering seminar. "Cardiac Electrophysiology," Philip Bayly, asst. prof. of biological and biomedical engineering. Stix Room, first floor, north campus, Barnes-Jewish Hospital. 454-7459.

4 p.m. WU Cancer Center lecture. "The Kinetics of Hematopoietic Stem Cells: Implications for Gene Therapy," Janis Abkowitz, prof. of medicine, Hematology Division, U. of Washington, Seattle. Third Floor Aud., St. Louis Children's Hospital. 362-9035.

4 p.m. Chemistry lecture. "NMR Studies of Structure and Conformational Changes

in Transmembrane Chemotaxis Receptors," Lynnmarie K. Thompson, prof., U. of Massachusetts. Room 311 McMillen Lab. 935-6530.

4 p.m. Assembly Series. The Rabbi Ferdinand M. Isserman Memorial Lecture. "Social Justice and the 1996 Presidential Election," Patricia Schroeder, recently retired Democratic congresswoman from Colorado. Graham Chapel. (See story on page 6.) 935-5285.

4 p.m. East Asian studies lecture. "Hong Kong, Chinese Nationalism and the Changing Political Economy of East Asia," Edward Friedman, prof. and Hawkins Chair, Dept. of Political Science, U. of Wisconsin. Room 30 January Hall. 935-4448.

4:30 p.m. Math colloquium. "On Projective Classification of Manifolds," Andrew Sommese, prof. of mathematics, U. of Notre Dame. Room 199 Cupples I Hall. 935-6726.

7:30 p.m. Women's studies lecture. "The Future of Feminist Criticism," Carolyn Allen, prof. of English, U. of Washington, Seattle. Hurst Lounge, Room 201 Duncker Hall. 935-5102.

Friday, Oct. 25

9:15 a.m. Pediatric Grand Rounds. "Zinc Fingers and Broken Hearts," David B. Wilson, asst. prof. of pediatric hematology and oncology. Clopton Aud., 4950 Children's Place. 454-6128.

Noon. Cell biology and physiology seminar. "Clathrin, Adaptors and Sorting in Yeast," Sandra K. Lemmon, Dept. of Molecular Biology and Microbiology, Case Western Reserve U. Cell Biology Library, Room 426 McDonnell Medical Sciences Bldg. 362-6945.

4 p.m. African and Afro-American studies lecture. "If Everybody Was a King, Who Built the Pyramids? Afrocentrism in Black American History," Clarence Walker, prof. of history, U. of California, Davis. Room 149 McMillan Hall. 935-5690.

Saturday, Oct. 26

10-11:30 a.m. University College Science Saturdays. "Global Warming, Asteroid Collisions, Ozone Holes: What Can Physics Tell Us About the Fate of the Planet?" Carl Bender, prof. of physics. Room 201 Crow Hall. (See story on page 6.) 935-6788.



Performances

Friday, Oct. 25

8 p.m. Edison Theatre's "OVATIONS!" series. "The Bible: The Complete Word of God (abridged)," The Reduced Shakespeare Company. (Also Oct. 26, same time.) Edison Theatre. Cost: \$23 for the general public; \$18 for senior citizens and WU faculty and staff; and \$12 for WU students. (See story on page 5.) 935-6543.



Music

Friday, Oct. 18

8 p.m. Concert. Synchronia, a St. Louis-based contemporary-music ensemble, will perform "rapid fire." Steinberg Hall Aud. Cost: advance tickets via Metrotix (534-1111) are \$8 for the general public; \$10 at the door; \$2 for WU students with I.D.s. 664-9313.

Tuesday, Oct. 22

8 p.m. Student recital. Includes the music of Beethoven, Brahms and Handel. Graham Chapel. 935-5581.

Saturday, Oct. 26

7 p.m. Vocal concert. Indian Concert Series featuring S. Abhayankar and Party. Steinberg Hall Aud. Cost: free for WU faculty, staff and students; \$7 for senior citizens and other students; and \$10 for the general public. 935-5547.



Miscellany

Registration continues for the following Office of Continuing Medical Education events: "Fingers to Toes: Comprehensive Orthopaedic Review Course for Primary Care Physicians" (Nov. 1-2); "Rupert B. Turnbull Memorial Lectureship and Surgical Grand Rounds" (Nov. 1-2); "Bipolar Mood Disorder in Clinical Practice" (Dec. 7); and "Contemporary Management of Congestive Heart Failure" (Dec. 7). 362-6891.

Midwest AIDS Training and Education Center seminar registration continues. "Dimensions of a Disease—A Three-day Seminar on HIV." Nov. 13-15. Adam's Mark Hotel, Fourth and Chestnut streets, downtown St. Louis. A late registration fee applies after Oct. 15. For more info., call 362-2418.

Thursday, Oct. 17

7:30 a.m. Office of Continuing Medical Education symposium. "Contemporary Cardiothoracic Surgery." Through Oct. 19. Eric P. Newman Education Center. For registration info., call 362-6891.

Friday, Oct. 18

11:30 a.m.-1 p.m. Washington University Toastmasters for Oratorical Readiness meeting. Room 241 Compton Hall. 935-5934.

Saturday, Oct. 19

9 a.m.-noon. College Success Workshop. "Search and Research." Research strategies for college-level paper writing. Mary Seager, prof. of reading, St. Louis Community College. Cost: \$25. 935-6788.

9 a.m.-noon. University College career workshop. "Changing Jobs—Changing Careers." (Continues Oct. 26 and Nov. 2.) Cost: \$60. 935-6788.

9:30 a.m. School of Art Portfolio Day. "Careers in Art and Financial Aid." Steinberg Hall Aud. 935-7354 or 935-6532.

8 p.m. Hillel coffeehouse. Features folk singer Pierce Pettis. Hillel Center, 6300 Forsyth Blvd. Cost: \$6 for general admission; \$3 for students. 726-6177.

Monday, Oct. 21

5:30-6:45 p.m. University College information session on financial aid. Room 30 January Hall. For reservations, call 935-6777.

Tuesday, Oct. 22

1:30 p.m. Physics tribute. In remembrance of Emeritus Professor Franklin B. Shull. Some of Shull's colleagues will speak about his work and his impact. Room 204 Crow Hall. 935-6276.

Wednesday, Oct. 23

3 p.m. Hillel women's forum. "Challah Baking Extravaganza." Both men and women are welcome. Hillel Center, 6300 Forsyth Blvd. 726-6177.

Thursday, Oct. 24

1-3 p.m. "Kids Speakin' Out—A Youth Issues Forum." Features young people from local groups and community programs discussing problems faced by St. Louis children. Sponsored by Voices for Children. Brown Hall Lounge. 531-5157 or 361-6275.

4 p.m. Reading. Robert Cohen, author of "The Here and Now" and "The Organ Grinder's Son." Hurst Lounge, Room 201 Duncker Hall. 935-5190.

Friday, Oct. 25

7 p.m. "Kids Speakin' Out—A Celebration of Young Talent." Features dancing, singing, poetry readings and musical

dramas by young people from area high schools and performing arts programs. Cost: \$2 for adults and \$1 for children. Proceeds go to charity. May Aud., Simon Hall. 531-5157 or 361-6275.

Saturday, Oct. 26

7:30 a.m. Office of Continuing Medical Education symposium. "New Techniques in Urogynecology." Eric P. Newman Education Center. Registration open through Oct. 25. 362-6891.

8 a.m. Campus Y 5K Fun Run and One-mile Walk. Compete for trophies. All entrants receive T-shirts. Brookings Hall parking lot between Forsyth Boulevard and Forest Park Parkway. Proceeds benefit the Campus YMCA/YWCA Partner With Youth Campaign. Registration cost: \$10 for individuals or \$45 for University-recognized student organizations if received before Oct. 20; \$12 for individuals and \$55 for University groups after Oct. 20. For more info., call 935-5010.

10 a.m.-noon. Book arts workshop. "Family Albums." Room 104 Bixby Hall. Cost: \$7.50. To register, call 935-4643.

'The bad boys of abridgment' tackle the Bible

A heavenly dose of irreverent humor will be the offering when the Reduced Shakespeare Company presents "The Bible: The Complete Word of God (abridged)" at 8 p.m. Oct. 25 and 26 in Edison Theatre.

"The bad boys of abridgment" will mark their St. Louis premiere with this zany rendition of The Good Book as part of Edison's "OVATIONS!" series.

They also will be the guests of the Assembly Series at 11 a.m. Wednesday, Oct. 23, in Graham Chapel. This lecture, titled "Clowning and Comedy for the Stage," is free and open to the public.

The Reduced Shakespeare Company (RSC) first appeared in the 1980s with inspired reductions of such massive topics as "The Complete Works of William Shakespeare (abridged)" and "The Complete History of America (abridged)."

RSC members began working on "The Bible" in 1993 after performing at the Jerusalem International Festival. "We were encouraged — almost dared — to turn our reductive sensibilities to The Good Book," they said of the public's response at that festival. And, thus, they set out to "put the 'fun' back into fundamentalism."

"The Bible" clocks in at about two hours of nonstop silliness. Act I covers the Old Testament, beginning with Genesis and a lively song titled "The In the Beginning Blues." Act II takes on the New Testament and ends with a rendition of the Book of Revelations sung to the melody of "That's Entertainment." The three performers present their material in a combination of lectures, skits, songs and seemingly spontaneous discussions, which one reviewer with The Washington Times said "seems to evolve by the seat of its pants. 'The Bible' is a laugh a minute."

The Washington Post described the work as "clever ... funny ... inspired." The Boston Globe said it was "zany ... a triumph of good 'n' silly over evil." The Virginia Journal called it "truly hilarious ... fast, funny and furious."

The three RSC members — Matthew Croke, Reed Martin and Austin Tichenor — honed their fast and physical slapstick style at various Renaissance fairs throughout California in the 1980s. Two of the three also performed a stint in the Barnum & Bailey Circus. From the muddy fairgrounds, the RSC moved on to such illustrious — and clean — venues as the White House, the Kennedy Center, the Edinburgh Fringe Festival and concert halls worldwide.

The RSC also has appeared in numerous TV programs both here and abroad, and the company frequently is featured on National Public Radio's "All Things Considered."

Tickets to the "OVATIONS!" performances are \$23 for the general public; \$18 for senior citizens and University faculty and staff; and \$12 for University students. Tickets are available at the Edison Theatre box office (935-6543) or through Metrotix (534-1111).



Tabloid triage

Jo Davis, left, library technical assistant, and Patricia Logsdon, database management supervisor — both members of the Washington University Libraries' Disaster Response Team — practice salvaging water-damaged books at a recent hands-on exercise outside Olin Library. Roxanna Herrick, preservation administrator, said the response team members were selected from every unit of University Libraries and are trained both in the technique and philosophy of rescuing element-harmed materials.

Sports

Compiled by Mike Wolf, director, and Kevin Bergquist, asst. director, sports information.

Football team loses second-straight game

The Washington University football team, out to stop its first two-game losing skid since 1994, returns to University Athletic Association (UAA) play on Saturday, Oct. 19, against Carnegie Mellon University (Pittsburgh). WU suffered its second-consecutive home loss last weekend as Trinity University (San Antonio) spoiled the Bears' Homecoming 13-12. A 33-yard field goal in the final five seconds gave the Tigers the win. Junior Vernon Butler became the Bears' all-time leader in touchdown receptions with 20.

Current record: 3-2 (1-0 UAA)

This week: 7 p.m. Saturday, Oct. 19, vs. Carnegie Mellon, Francis Field

Men's soccer seeks to end losing skid

The 20th-ranked men's soccer team suffered a 1-0 overtime loss to 15th-ranked Rowan College (Glassboro, N.J.) on Friday, Oct. 11, at Francis Field. The defeat extended the Bears' winless string to two games. Before returning to UAA action at home Saturday, Oct. 19, against the University of Chicago, the Bears play a regional contest at Maryville University (St. Louis).

Current record: 7-3-1 (2-0-1 UAA)

This week: 4 p.m. Wednesday, Oct. 16, at Maryville University; 1:30 p.m. Saturday, Oct. 19, vs. University of Chicago, Francis Field

Women's soccer to play five games at home

Fresh off three non-conference victories last week, the women's soccer team returns home for five games at Francis Field beginning Wednesday, Oct. 16, against MacMurray College (Jacksonville, Ill.). The Bears continue to put the ball in the net in record-setting fashion. A 5-0 victory over Fontbonne College

allowed the squad to eclipse the school record for goals in a season (now 49). A 4-0 win at Saint Mary's College (South Bend, Ind.) gave the Bears their sixth shutout in 10 victories. The Bears also scored a 2-1 victory at the University of Wisconsin-Eau Claire. With two goals last week, freshman forward Rachel Sweeney tied the school record for points in a season (34 points on 13 goals and eight assists).

Current record: 10-2 (2-1-0 UAA)

This week: 7 p.m. Wednesday, Oct. 16, vs. MacMurray College, Francis Field; 11 a.m. Saturday, Oct. 19, vs. University of Chicago, Francis Field

Volleyball back home in search of milestone

After a week off, the top-ranked volleyball team resumes action Oct. 18-19 when it hosts the Washington U. Classic. If they go through the tournament unblemished, the Bears will reach a historic milestone in a 4 p.m. match against Illinois College (Jacksonville) on Saturday, Oct. 19. A win in that match would give WU 100 consecutive home victories.

Current record: 21-5 (7-0 UAA)

This week: 1:30 to 8 p.m. Friday, Oct. 18, and 10 a.m. to 4 p.m. Saturday, Oct. 19, Washington U. Classic, Field House and Recreational Gym

Women's tennis opens season with 1-0 mark

The women's tennis team won the first of two fall matches Friday, Oct. 11, topping the University of Illinois-Springfield 7-2 at Edwardsville, Ill. Freshman Ari Kaplan improved her record to 3-0 with a win at No. 3 singles. She teamed with senior Sara Roberts to win at No. 2 doubles. The Bears won four singles flights and swept the doubles. WU was to conclude its fall campaign with a home match Monday, Oct. 14, against Ripon (Wis.) College.

Current record: 1-0

Banjo-man Moloney amplifies Irish history

Renowned Irish banjo-man Mick Moloney and a few musical friends will delight children of all ages with an afternoon of whirlingigs, hornpipes, songs and tales of ol' Ireland at 2 p.m. Oct. 27 in Edison Theatre.

Moloney, a native of County Limerick, Ireland, emigrated to the United States in 1973. Since 1976, he has recorded more than 40 albums, tapes and compact discs and is the acknowledged force behind the revival of Irish music in the United States.

Moloney, who earned a doctorate in folklore and folklife from the University of Pennsylvania, is considered one of Ireland's finest tenor banjo and mandolin players. He has been voted "Best Tenor Banjo Player in America" four times by Frets magazine. Before coming to the United States, he played professionally with several folk groups in Dublin — including the famed group The Johnstons.

In the Edison performance, Moloney will be joined by singer Tommy Sands, fiddler Winifred Horan and dancer John Timms. Together, they will present an eclectic afternoon of traditional and contemporary folk songs in Gaelic and English — including love songs, humorous songs, songs of the supernatural, patriotic songs, songs of Irish emigration and settlement in America, and many more. Moloney also will perform poems and recitations drawn from the rich oral traditions of northern and southern Irish poets.

His stories and songs bring to life the moving history of the Irish people. A Tucson Citizen music critic writes of Moloney: "Singing a boisterous chorus one moment and brushing a tear from the eye the next, a packed house experienced the human side of Irish history — past and present."

Combining careers in music and academia, Moloney has taught Irish music and folklore courses at several universities, including Georgetown, George Washington and New York. He currently teaches at the University of Pennsylvania and at Villanova University.

The performance is part of the "ovations! for young people" series. Tickets are \$12 per person and are available at the Edison Theatre box office (935-6543) or through Metrotix (534-1111).

Schroeder to speak on social justice, presidential election

Patricia Schroeder, who recently retired from the U.S. House of Representatives after more than 20 years of service, will deliver the Rabbi Ferdinand M. Isserman Memorial Lecture in the Assembly Series at 4 p.m. Thursday, Oct. 24, in Graham Chapel. The lecture, "Social Justice and the 1996 Presidential Election," is free and open to the public.

Schroeder began her political career in 1968 as a precinct committeewoman for the Denver County Democratic Committee and held that post for two years. In 1973, Schroeder was elected to the U.S. House of Representatives. She represented Colorado's



Patricia Schroeder

District 1. She held a number of congressional appointments, including membership on the Armed Services Committee, the Post Office Civil Service Committee, the Youth and Families Select

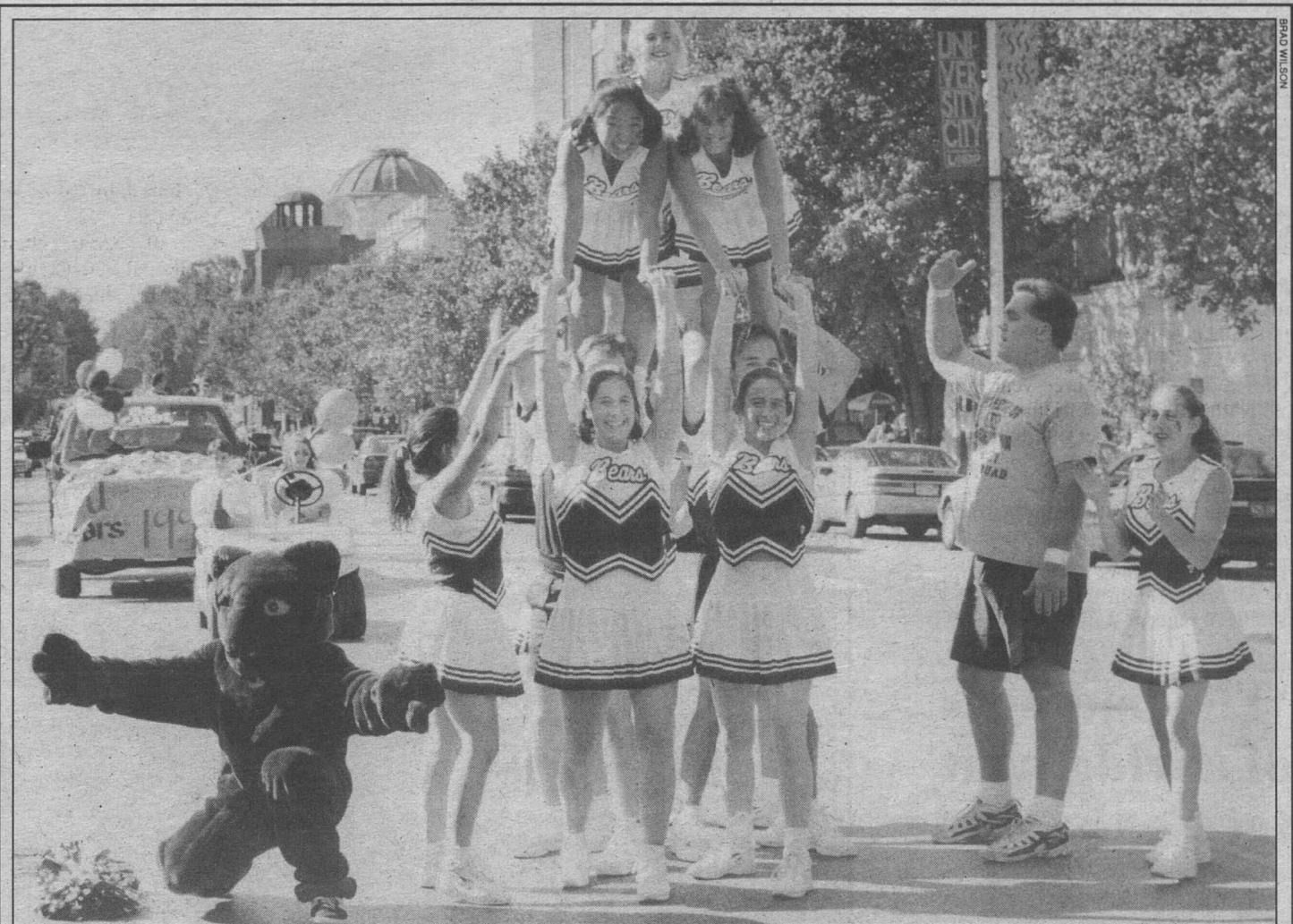
Committee, the Democratic Caucus Task Force on National Security, and the Congressional Caucus for Women's Issues.

Schroeder received a law degree from Harvard Law School in 1964 and passed the Colorado bar exam that year. Before her successful bid for office in 1973, she held a number of professional positions, including field attorney for the National Labor Relations Board for Colorado, Utah and Wyoming. In addition, she taught law at the Community College of Denver, the University of Denver, and Regis College.

Schroeder has been recognized for her achievements through many honors and awards, among them the Woman of Distinction Award given by the American Newswomen's Club (1982); a Commendation for Distinguished Service Against Hunger from Bread for the World (1984); and the Friend of the Family Award from the Family Law Section of the American Bar Association (1992). In 1995, Schroeder was named to the National Women's Hall of Fame.

The Rabbi Ferdinand M. Isserman Memorial Lecture was established in the memory of the distinguished rabbi who was actively involved in social issues during his career in St. Louis.

For more information on the lecture, call (314) 935-5285.



A pyramid in the Loop

Washington University cheerleaders perform a routine while the WU mascot fires up spectators during the Saturday, Oct. 12, Homecoming parade, which wound its way through the Delmar Loop.

Study raises question of whether racism is 'a male thing' — from page 1

tees, but our data suggest this approach may be counterproductive," Strube said. "In situations involving all-male work groups, a racial balance could be the worst-case scenario."

Ironically, Davis and Strube initially did not plan to focus the study on gender differences in race relations. Plans called for women to be excluded to avoid introducing gender as a variable. After completing the all-male study — and receiving fairly predictable results — the team decided to repeat the experiment using all-women work groups.

"Comparing the results from the two studies revealed some interesting differences in how the sexes deal with racial issues," Strube said. "Altering the group's racial composition had a significant impact on how males viewed the experience, but women seemed to be much less affected by shifts in the racial balance."

The research is based on experiments involving 120 undergraduate students.

Participants randomly were assigned to four-person single-sex work groups with varying racial compositions — one black and three whites; two blacks and two whites; and three blacks and one white.

Each four-person group was placed in a meeting room and asked to work together on a decision-making task. Participants later completed questionnaires that allowed researchers to assess how individual members viewed the experience, including satisfaction with group performance, confidence in group decisions, and willingness to work with the group in the future.

"Men clearly had some difficulties working in groups with equal numbers of blacks and whites — a situation that did not seem to bother women," Strube said. "We presume that males in racially balanced groups may be more likely to engage each other in a battle for control, a power struggle that creates a negative atmosphere. It could be that control and power are not as important in female groups, perhaps because women traditionally are more conditioned to be accommodating in social situations."

"Among African Americans, there also seems to be a reversal in the roles that men and women assume in small-group interactions," Strube continued. "Black females tend to wield some power in female groups in much the same way that white males tend to dominate male groups."

Studies on white males misguided

Davis and Strube noted that research on race relations traditionally has focused on male subjects, most often examining how white males react when majority status is threatened. Studies of housing and school integration, for instance, have shown that white males become increasingly uncom-

fortable when black representation reaches about 30 percent, known among researchers as a "tipping point" because of its well-documented ability to incite "white flight."

While researchers have tended to use findings from these "white male" studies to explain behavior in other population segments, including white women and blacks of both sexes, Davis and Strube now suspect that practice is misguided.

"Many researchers have assumed that men and women behave pretty much the same when it comes to racial issues, but our findings suggest that this is a false assumption," Davis said. "Obviously, more research is required, but our study definitely raises the question of whether racism is foremost a male thing."

Davis and Strube have sought funding to repeat the experiment using larger groups and groups that include males and females of both races. By observing how varying racial compositions affect member perceptions of group atmosphere, satisfaction, success and enjoyment, the researchers hope to shed light on which racial and gender combinations produce the most efficient and enjoyable work groups.

"We found very little difference in how black and white members of a particular group rated their impressions of group atmosphere," Davis said. "This was one of the more important findings of the study because previous research has suggested that blacks and whites in the same group could hold widely different opinions about which black-white ratio is optimal. Our data suggest that they are all seeing things in the same way. Regardless of the group's racial composition, if one member thinks things are going great, everyone seems to agree. If one member thinks the group is lousy, the rest of the group seems to have the same opinion. If a group isn't working, everybody knows it." — Gerry Everding

Campus Watch

The following incidents were reported to the University Police Department from Sept. 30–Oct. 13. Readers with information that could assist the investigation of these incidents are urged to call (314) 935-5555. This release is provided as a public service to promote safety-awareness on campus.

Sept. 30

12:18 p.m. — A photographer left a tripod in Brookings Quadrangle after photographing a wedding party there. When the photographer later returned, the tripod was missing.

2:30 p.m. — Two portable radios were reported stolen from University Police Headquarters between Sept. 20 and 21.

4:23 p.m. — University Police responded to a minor traffic accident near Mallinckrodt Center.

5:35 p.m. — A portable compact disc player and case were reported stolen from Koenig Residence Hall.

Oct. 1

10:16 a.m. — A radio/cassette player was reported stolen from McMillan Hall.

10:32 a.m. — An electronic mail scale was reported stolen from McMillan Hall.

Oct. 2

7:59 a.m. — A telephone was reported stolen from Eliot Hall.

Oct. 3

4:15 p.m. — A portable radio/cassette player and headphones were reported stolen from Shepley Residence Hall.

Oct. 4

5:10 a.m. — A contract guard patrolling the West Campus parking garage stopped to investigate two cars. However, the patrol

vehicle was not put into park, and the vehicle rolled into a concrete column.

10:47 a.m. — The Clayton Fire Department responded to a car fire in the Millbrook Square apartments parking lot.

Oct. 7

7:36 a.m. — Electrical wire was reported stolen from The Umrathskeller.

8:53 a.m. — Three boxes of Community Week T-shirts were reported stolen from The Gargoyle in Mallinckrodt Center.

Oct. 10

8:19 p.m. — Four subjects attempted to use an Athletic Complex identification card that was not issued to any of them. The subjects were escorted off campus.

Oct. 11

1:28 a.m. — A non-student was arrested after University Police observed the subject carrying compact discs from the Women's Building.

Oct. 13

2:15 a.m. — A student reported being struck in the head with a bottle during an altercation at a fraternity house.

2:44 a.m. — A student reported that an electronic organizer and a black jacket were stolen from a fraternity house.

University Police also responded to four reports of vandalism and one report each of telephone harassment, stolen license plate renewal tabs and a stolen book bag.

Series explores effects of physics on daily life

The public is invited to join Washington University scholars and teachers in exploring the "frontiers" of science in the Science Saturdays lecture series.

Sponsored by University College and the Department of Physics, both in Arts and Sciences, the series is titled "Physics, Progress and the Public: Is Science Really Good for You?"

While discoveries in physics have improved many aspects of society, the same advancements have produced problems that seem unsolvable. As science becomes more complex, many turn to alternative ways of understanding phenomena — such as astrology and other pseudo-sciences.

Can the methods of physics help sort out the true from the bogus? This question and others will be explored in lectures that take place from 10 to 11:30 a.m. Saturdays in Room 201 Crow Hall.

The remaining lectures are:

Oct. 19: "Nuclear Energy and Nuclear Waste: Boon or Bane?" Willem H. Dickhoff, Ph.D., associate professor of physics.

Oct. 26: "Global Warming, Asteroid Collisions, Ozone Holes: What Can Physics Tell Us About the Fate of the Planet?" Carl Bender, Ph.D., professor of physics.

The lectures are free and open to the public. Registration is not required. For more information, call (314) 935-6788.

For The Record

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

Of note

Helen Donis-Keller, Ph.D., professor of genetics, of surgery and of psychiatry, received a \$924,271 three-year grant from the National Center for Human Genome Research for a project titled "Linkage Mapping Human Telomeres and Centromeres." ...

Harlan R. Muntz, M.D., associate professor of otolaryngology and assistant professor of pediatrics, received the Honor Award from the American Academy of Otolaryngology-Head and Neck Surgery, a national organization made up of 10,000 physicians who specialize in the medical treatment of the ears, nose, throat and related structures of the head and neck. The award, bestowed since 1934, honors those physicians who have contributed to the academy through papers, courses or committees. Muntz was one of 55 physicians honored this year. ...

John P. Rice, Ph.D., professor of mathematics in psychiatry and of biostatistics, received a \$788,263 five-year grant from the National Institute of Mental Health for a project titled "The Quantitative Genetics of Clinical Psychopathology."

Speaking of

Joseph J.H. Ackerman, Ph.D., professor and chair of the Department of Chemistry in Arts and Sciences, presented a talk titled "Simple NMR Experiments on Complex Systems" at the Rocky Mountain Conference on Analytical Chemistry held in July in Denver. Ackerman also chaired a session at the Cancer Physiology and Metabolism Workshop, sponsored by the International Society for Magnetic Resonance in Medicine, held in August in

Baltimore. In addition, he presented an invited talk titled "Intra- and Extracellular Compartmental Resolution by NMR: Ions in Complex Living Systems" at the International Conference on Magnetic Resonance in Biological Systems held in August in Keystone, Colo.

On assignment

Kenneth W. Chilton, Ph.D., director of the Center for the Study of American Business, was a panelist at the U.S. Environmental Protection Agency's Public Meeting on Ozone and Particulate Matter National Ambient Air Quality Standards held in August in St. Louis. Chilton's

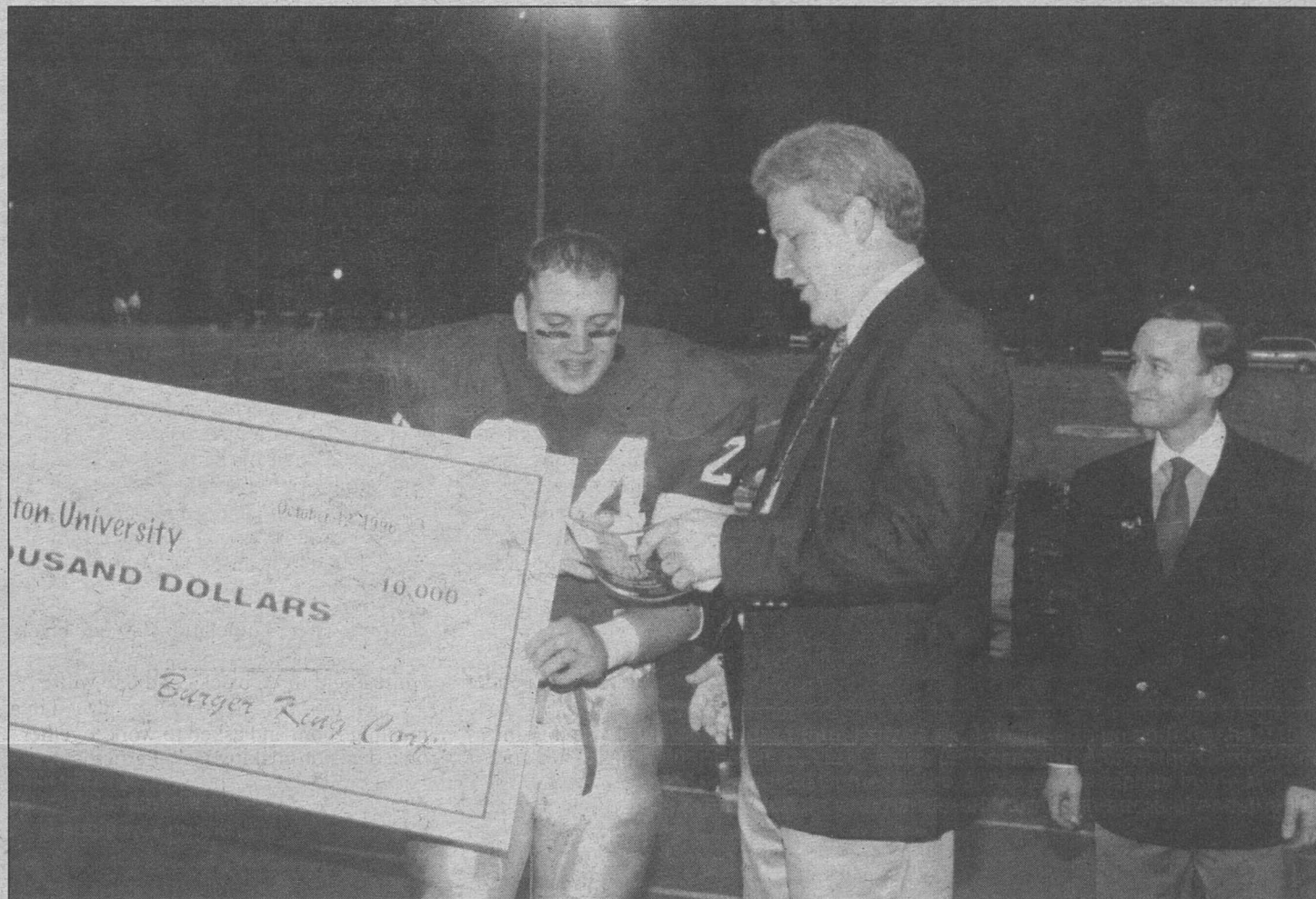
remarks were titled "A 'Paradigm' Shift in Setting Air Quality Standards." ...

Lee Epstein, Ph.D., professor and chair of the Department of Political Science in Arts and Sciences, was a participant at the 92nd annual meeting of the American Political Science Association held recently in San Francisco. Epstein took part in two roundtables, one on "Political Science and Judicial Biography" and the other on "Jurisprudential Foundations of Empirical Studies of Laws and Courts, or How Does Our Conception of Law Affect Our Research?" Political science faculty acting as discussants for various panels were: **William R. Caspary**, Ph.D., associate

professor; **Victor T. Le Vine**, Ph.D., professor; **Fiona E.S. McGillivray**, Ph.D., assistant professor; **Alastair Smith**, Ph.D., assistant professor; and **Andrew Sobel**, Ph.D., assistant professor.

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 David Moessner, Campus Box 1070, or p72245md@wuvmd.wustl.edu. Items must not exceed 75 words. For more information, call Moessner at (314) 935-5293.



Scott Eiler, center, St. Louis-area franchise manager for Burger King Corp., presents senior football player Chad Jackson with a plaque and a \$10,000 check made out to Washington University in Jackson's name. Chancellor Mark S. Wrighton also participated in the presentation, which was made at halftime of the Saturday, Oct. 12, Homecoming game.

Program to recognize teaching and research of late Robert Durr

Robert H. Durr, Ph.D., an assistant professor of political science who died of cancer at age 32 on Aug. 3, will be memorialized in a public program honoring his teaching and research at 4 p.m. Monday, Oct. 21, in the Women's Building Lounge.

The program, sponsored by the Department of Political Science in Arts and Sciences, will feature a presentation by Jim Stimson, Ph.D., the Arleen Carlson Professor at the University of Minnesota. Stimson, a close friend and colleague of Durr, was his dissertation adviser at the University of Iowa, where Durr earned a doctorate in political science in 1992.

Durr joined Washington University in 1992, the same year he was diagnosed with cancer of the pancreas and given one year to live. He battled the cancer with chemotherapy and continued teaching through the fall semester of 1995. His research focused on public opinion, political parties and the media in American politics.

For more information about the memorial, call (314) 935-5822.

Burger King honors Chad Jackson as scholar-athlete

Washington University senior fullback and co-captain Chad Jackson has been selected by Burger King Corp. as a Division III football "Scholar-Athlete of the Week."

Burger King Corp. and its franchisees will announce the award during one of ABC-TV's nationally televised college football games Saturday, Oct. 19, and will donate \$10,000 in Jackson's name to the University's general scholarship fund.

Jackson was honored by Burger King and by the University on Saturday, Oct. 12, during a halftime ceremony at the Bears' Homecoming game vs. Trinity University. At that time, a Burger King

representative presented Jackson and the University with the \$10,000 check.

Jackson ranks 13th overall and fourth among fullbacks with 1,081 yards on the Bears' career rushing list. A 1995 first-team all-University Athletic Association honoree, he has scored 13 career touchdowns. The 5-foot-10, 235-pound fullback, who also plays a key blocking role for the nationally ranked Bears, has 19 career receptions for 229 yards.

Off the field, Jackson carries a 3.38 cumulative grade-point average as a finance and organization of human resources major in the John M. Olin School of Business. A 1996 GTE Academic All-America candidate, he is the community-

service chair and philanthropy chair for Phi Delta Theta fraternity.

The Burger King College Football Scholarship Program is the largest single corporate commitment to college scholarships in the United States and the only one that recognizes athletes for academics, community service and athletics.

For the second year, Burger King Corp. is donating a total of \$1 million to college scholarship funds in the names of college football players who maintain high academic standards and are actively involved in the community. Burger King Corp. has a long history of supporting academics and believes that by honoring scholar-athletes, it highlights the value of education.

Business Week ranks Olin's MBA program 16th nationally

Washington University's John M. Olin School of Business is ranked 16th among Business Week's top 25 master's of business administration (MBA) programs in the United States. This is the business school's strongest showing in the history of the magazine's rankings of MBA programs.

The top three ranked schools are The Wharton School of the University of Pennsylvania, the University of Michigan, and the J.L. Kellogg Graduate School of Management at Northwestern University, respectively.

The rankings appear in the magazine's Oct. 21 issue. The business school placed third in overall improvement, third in terms of best placement office, fifth in showing greatest improvement in MBA student satisfaction, and 12th in overall MBA student satisfaction.

"Dean Stuart Greenbaum deserves

great credit for inspiring innovative programs and high morale by listening well to students' needs," Chancellor Mark S. Wrighton said. "It's especially impressive that he's been able to accomplish so much in his first year here. Stuart has done remarkably well in recruiting outstanding faculty to join our distinguished group of leading professors. In addition, he has reached out to the St. Louis community with programs such as Total Quality Schools and has initiated educational programs that will be of interest to the St. Louis corporate community. Among those are new executive programs, including a new degree program being offered jointly with the School of Engineering and Applied Science."

The rankings, compiled every two years, are based on customer satisfaction reflected in surveys of graduates of top schools and the corporate recruiters who

hire them. The surveys, mailed randomly to 7,235 MBA graduates from 51 top schools, asked graduates to assess such characteristics as the quality of the teaching, curriculum, environment and placement offices at their schools. Also polled were 326 companies that most heavily recruit MBA graduates.

The business school first appeared in the top 20 in 1992. The rankings influence prospective students, as well as corporate recruiters, prospective faculty and donors.

"It's wonderfully gratifying and a tribute to our world-class faculty, students and staff that Olin has roared back into the top 20 business schools," said Greenbaum, Ph.D., who has been dean since July 1995. "I'm sure this recognition will be followed by others if the Olin community remains steadfast in its commitment to excellence in all we do."

Obituaries

Ralph 'Bud' Ryder Sr., maintenance electrician

Ralph P. "Bud" Ryder Sr., who retired in 1994 after working 44 years as a maintenance electrician in the physical facilities department, died of cancer Sunday, Oct. 6, 1996, at his home in Spanish Lake, Mo. He was 64.

Memorial contributions may be made to Christian Hospital Northeast Cancer Care Center or Hospice Services, 11133 Dunn Road, St. Louis, MO, 63136.

Opportunities & personnel news

Hilltop Campus

The following is a partial list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of Human Resources, Room 130 West Campus, or by calling (314) 935-5906.

Editorial and Public Relations Assistant 970081. *University College.* Requirements: bachelor's degree; excellent writing and editing skills; two years writing and editing experience; knowledge of public relations; creativity; good sense of editorial and graphic design; knowledge of or ability to learn desktop publishing. Application, résumé and samples of work required. Schedule: part-time.

Circulation Services Assistant (Circulation Unit) 970101. *Olin Library.* Requirements: two years of college or equivalent study/work

experience; library work experience preferred; experience with minor maintenance of photocopiers preferred; computer skills preferred; interpersonal skills, including ability to communicate with a diverse public and staff; strong service orientation; willingness to work flexible hours, including some weekend and evening hours. Application required.

East Asian Library Assistant 970103. *Olin Library.* Requirements: bachelor's degree or equivalent experience; native-level command of Chinese, with some understanding of basic Japanese; library science courses and/or library work experience preferred; experience with OCLC, automated circulation and/or on-line library processing preferred; proven ability to work effectively with faculty, students, staff and the public; strong service orientation; experience working as part of a team; proven ability to work independently with minimal supervision, to analyze situations effectively, to

use judgment appropriately and to organize work flow; strong verbal and written skills; ability to type accurately and quickly; experience with microcomputers and/or information technology; ability to work under pressure. Application required.

GYN Nurse Practitioner 970104. *Health Services.* Requirements: bachelor's degree; five years GYN practitioner experience. This is a part-time opportunity, preferably with a Monday-Thursday-Friday schedule. Application required.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Employees who are interested in submitting a transfer request should contact the Human Resources Department of the medical school at (314) 362-7202 to request an application. External

candidates may call (314) 362-7495 for information regarding application procedures or may submit a résumé to the human resources office located at 4480 Clayton Ave., Campus Box 8002, St. Louis, MO, 63110. Please note that the medical school does not disclose salary information for vacancies, and the office strongly discourages inquiries to departments other than human resources. Job openings also may be reached via the World Wide Web at <http://@medicine.wustl.edu/wumshr>.

Medical Assistants 950843-R. The School of Medicine needs qualified medical assistants looking for part-time work. Front and back office duties are involved. Requirements: self-starter; proven patient-care skills.

Medical Research Technician 970066-R. *Obstetrics and Gynecology.* Requirements: knowledge of basic instrumentation and instrument troubleshooting; energetic. Responsibilities include working with solution/media

preparation, scientific math calculations, protein and rna hybridization, radioisotopes, recombinant DNA, sterile techs, tissue cultures, frozen sections, paraffin, sectioning, and tissue staining. This position provides molecular and cellular biology support. Schedule: part-time, 20 hours per week.

Medical Research Technician 970179-R. *Biochemistry and Molecular Biophysics.* Requirements: self-starter; experience with instrument troubleshooting, enzyme assays, paper and tlc chromatography, electrophoresis and tissue cultures is preferred; knowledge of a balance (analytical and standard), centrifuge (standard and ultra), PH meter, compound microscope and radioisotopes is preferred. Schedule: part-time, 20 hours per week.

Programmer Analyst 970277-R. *Psychiatry.* Responsibilities include assisting with various computer-related tasks on a research project; installing hardware and

software; troubleshooting; and some SAS programming. Schedule: part-time, 20 hours per week.

Network Support Technician 970281-R. *Psychiatry.* Requirements: related college degree and one year experience with Novell, Compaq, Apple, Notes, GroupWise, Microsoft Office and the Internet; self-motivated; team player; excellent technical, troubleshooting, organizational and communication skills; ability to work independently on network projects and on desktop maintenance and troubleshooting.

Financial Analyst 970306-R. *Radiology.* Requirements: bachelor's degree in accounting/business; master's degree in business administration or certified public accountant is a plus; five years experience in a computerized accounting environment; strong computer skills, including Lotus, Excel, networking and graphics; strong interpersonal skills; attention to detail; health-care experience.

SEJ conference includes tours throughout region and on campus — from page 1

standing of environmental science and the reporting of the issues, which are so vital to public interest and well-being. It is our hope that those attending will get to know our region better and appreciate the efforts in place for a better environment."

Among the Pulitzer Prize winners coming to the University are Robert B. Semple Jr., editorial writer for The New York Times; Melanie Sill, writer for The News & Observer in Raleigh, N.C.; and Michael Mansur, environment writer for the Kansas City Star.

Authors include William Least Heat-Moon, who wrote "Blue Highways" and "PrairieEarth"; Paul Ehrlich, author of "The Population Explosion" and the recent "Betrayal of Science and Reason"; David Quammen, editor of Outside magazine and author of the newly released "The Song of the Dodo"; Richard Manning, who wrote "Grassland"; William H. MacLeish, author of "The Day Before America"; Paul Raeburn, editor at Business Week and author of "The Last Harvest: The Genetic Gamble That Threatens to Destroy American Agriculture"; Russell Clemings, environment writer at the Fresno Bee and author of "The False Promise of Desert Agriculture"; and John Stauber and Sheldon Rampton, co-authors of "Toxic Sludge Is Good for You! Lies, Damn Lies and the Public Relations Industry," to name only a few.

"We're thrilled to hold our conference at Washington University in St. Louis," said SEJ President Emilia Askari, a freelance journalist presently on a Knight Fellowship at the University of Michigan. "The University is an intellectually rich campus with lots of experts and ideas to offer our journalists from around the country. The conference has a decidedly Midwestern flavor, with emphases on agriculture, the big rivers and native ecosystems such as forests, wetlands and prairies. We're looking forward to seeing this part of the Midwest on the tours. That experience is sure to generate stories for our journalists."

Conference co-chairs are Mansur and Kevin Carmody of the Chicago Daily Southtown — both native Midwesterners.

"In addition to the wealth of scientific and academic talent at Washington University, we were attracted to St. Louis because of the ease and affordability of getting to the city from anywhere in the country," Carmody said.

A varied agenda

Mansur noted that this year's conference features some new twists and some outstanding intellectuals who will enhance the journalists' understanding of complicated issues.

"Covering the environment means looking into many different aspects of how we live, as well as understanding ways to relate the complexities of the issues and

the science to the general public," Mansur said. "As such, we try to bring new insights into environmental reporting each year. This year, we've brought three recipients of MacArthur's Genius Award grants, and we have an outstanding actor who will present a portrait of Rachel Carson at the Edison Theatre."

Mansur is referring to Kaiulani Lee, whose monologue "A Sense of Wonder" has received rave reviews. Drawn from the writings of Carson, who is widely credited with starting the modern environmental movement with the 1962 publication of "Silent Spring," the performance has been called "uncanny" and "beautiful, inspiring and unforgettable."

The MacArthur's Genius Award winners are Wes Jackson, author and director of the Land Institute; Amory Lovins of the Rocky Mountain Institute; and Stephen Schneider, a professor of biological sciences at Stanford University.

The conference begins on Thursday with three full-day (8 a.m. to 5 p.m.) and three half-day (noon to 5 p.m.) tours of area sites that will present the journalists with a sampling of St. Louis cultural and environmental concerns.

In one all-day tour, participants will visit Monsanto Co.'s biotechnology facility and a sustainable farm in Illinois. Another all-day tour features the Missouri Botanical Garden's Shaw Arboretum and the Cahokia Mounds near Collinsville, Ill. The third all-day jaunt is a rivers tour that will show the journalists the effects of the "Great Midwest Flood of 1993."

Butterfly garden pays tribute to Elizabeth 'Ibby' Gray Danforth — from page 1

Garden, is stocked with woody plants and perennials and annuals, including butterfly bush, butterfly weed, cone-flowers, milkweed, snapdragons, periwinkle, marigolds and heliotrope.

The idea for a butterfly garden tribute bloomed two years ago. Jan Kardos, then president of the Woman's Club and now the chair of the Butterfly Project, coordinated the plan after learning of the impending retirement of Chancellor William H. Danforth, Ibby's husband and now chairman of the Board of Trustees.

Kardos said the reasoning for the garden covered three important purposes. "The first, simply, was to honor Ibby," Kardos said. "The second was to provide the members of the Washington University community a quiet place to enjoy a respite from the everyday pressures of life. And, thirdly, to provide an appropriate source of food for the dwindling number of pollinators — mainly butterflies — in our environment."

In her remarks to the gathering, Elizabeth Danforth noted with affection that the Woman's Club members were in-

University speakers for the all-day tours are Barbara A. Schaal, Ph.D., professor and chair of the Department of Biology in Arts and Sciences, for the Shaw Arboretum and Cahokia tour, and Owen J. Sexton, Ph.D., professor of biology and director of the Tyson Research Center, for the rivers tour.

Half-day tours involve a visit to the Missouri Botanical Garden to examine plant collections and the Climatron; a trip to Weldon Springs, Mo., and other nuclear weapons cleanup sites; and a tour of dioxin-tainted Times Beach, Mo.

Robert P. Morgan, Ph.D., the Elvera and William Stuckenberg Professor of Technology and Human Affairs at the University, will speak at the weapons cleanup sites.

The Friday session at the Hyatt and the Saturday session on the Hilltop and Medical campuses feature more than 20 panels, including seven University participants. These are: Kenneth W. Chilton, Ph.D., director of the Center for the Study of American Business, who will speak about "Rethinking Recycling"; David Ho, Ph.D., professor of biology, on "Food Futures"; Charles McManis, J.D., professor of law, on "Free-lancing on the Internet: Rights, Wrongs and New Opportunities"; William Olbrich, government publications librarian, on "Finding Gold in Government Documents"; Robert Pollak, Ph.D., the Hernreich Distinguished Professor of Economics in Arts and Sciences, on "Can the Market Save the Planet?"; Sexton on "When It Rains,

It Pollutes"; and Jay R. Turner, D.Sc., assistant professor of engineering and policy, on "Change in the Air: Covering the Nation's New Air Pollution Standards."

Attendance is open only to SEJ members and other registrants for the conference.

involved in every facet of the project — from site selection to landscaping to hands-on planting.

Kardos seconded that praise and passed it along to all involved, many of whom had no experience in such a project. "I actually grew up on a farm and did a lot of gardening," Kardos said. "But I have no expertise in butterfly-attracting planting or design. That was all done by June Hutson. But all the members of the Woman's Club dug in where we could. We spread the mulch, we planted the plants, we watered, we waited.

"And because it was for Ibby, everyone bent over backward to help," Kardos continued. "Everyone just kept saying 'yes' — from the University to the Missouri Botanical Garden to the community."

After the actual site was finalized — (The original plan, locating the garden near the new psychology building, was scrapped because of sunlight concerns.) — the landscaping began last November. The shrubbery was planted during the

early spring, and the perennials and annuals were put in in early May. Additional plants have been added periodically.

The "growing" nature of the garden was a point of emphasis at the dedication ceremony. The oval-shaped garden, about 40 feet by 60 feet at present, is just one-third the size it will be upon completion of a three-year expansion project. Included on the Woman's Club "wish list" are three benches, more perennials, and trees and bushes to help frame the garden.

Those interested in being a part of the ongoing project may call Kardos at (314) 863-0523.

The Woman's Club of Washington University was founded in 1910 by a group of faculty wives from the School of Medicine and Hilltop Campus to stimulate friendships. Eighty-six years later, the club has more than 260 members, primarily the wives of faculty and administrators, as well as women who teach and work at the University.

— David Moessner