

Washington University School of Medicine

Digital Commons@Becker

Washington University Record

Washington University Publications

1-14-1993

Washington University Record, January 14, 1993

Follow this and additional works at: <https://digitalcommons.wustl.edu/record>

Recommended Citation

Washington University Record, January 14, 1993. Bernard Becker Medical Library Archives.
<https://digitalcommons.wustl.edu/record/605>.

This Article is brought to you for free and open access by the Washington University Publications at Digital Commons@Becker. It has been accepted for inclusion in Washington University Record by an authorized administrator of Digital Commons@Becker. For more information, please contact vanam@wustl.edu.

Clinton's inaugural speech should point the way

When President-elect Bill Clinton steps up to the inaugural podium in Washington, D.C., on Jan. 20, the words he utters following his swearing-in to the highest office in the land may serve as much more than just part of the pomp and circumstance surrounding a historic ceremony. His words very likely will provide the American public with a reliable indication of what will follow in the four years of his presidency.

Wayne Fields, Ph.D., professor of English at Washington University and author of *A Union of Words: The Eloquence of America's Presidency*, which is scheduled for publication in mid-1993 by Free Press, says first inaugural speeches provide "a remarkably accurate representation of the presidency they introduce."

"Inaugurals are important, and this will be especially true for Bill Clinton," says Fields, who has studied political rhetoric for 25 years. "Clinton represents a generation change. He has a different burden than

someone who comes into office from the same generation as his predecessor. There's a lot of expectation in the country now. We want change. Clinton needs to prove his maturity and show that things will be different under his administration.

"If Clinton is going to do something significant in his presidency, it will be done in the early days. The inaugural must prepare us for that," says Fields, who also is dean of University College.

All presidential rhetoric — from campaign speeches through inaugurals and farewell speeches — is significant to the office, according to Fields, who writes that "the President's highest responsibility may in fact be this rhetorical one."

In *A Union of Words*, Fields examines all forms of presidential rhetoric, including candidacy announcements, press conferences and State of the Union addresses. Fields not only describes the types and functions of presidential speeches, but he also illuminates them with anecdotal material from George Washington's presidency

through Bill Clinton's acceptance speech.

Fields says that in a president's career, the one speech he has the most influence on is the inaugural. "The first words a president utters are the most significant historically. The inaugural is the speech most likely to be quoted by historians. Words from President Kennedy's inaugural are on his grave. Even in instances where much of it has been written by hired speech writers, the inaugural will carry a president's imprint more than any other speech."

Because Clinton is a newly elected, first-time president, his inaugural speech has the potential to wield great significance, says Fields.

"Inaugurals are different for incumbents and for those who come to the office via the vice-presidency," he says. "First-termers coming into the presidency have a lot of time to prepare the speech — more than they'll ever have again."

"The inaugural speech sets the tone for lots of things in the administration," says Fields, who cites the 1989 inaugural speech of George Bush as an example.

"It was very disjointed," Fields continues. "It was typical of the kind of speech he was inclined to give — small unit speeches. He exhibited real problems with coherence

and clarity, both in tone and in argument. These were ongoing problems with his administration."

John F. Kennedy's 1961 inaugural address focused on the youth who would fuel his programs, including the Peace Corps and U.S. military involvement in Vietnam.

"Kennedy focused on a new generation coming into power," says Fields. "It was a direct indication that the administration would build its work on the fact that lots of young people were available. It was also a warning that young people would be paying the price."

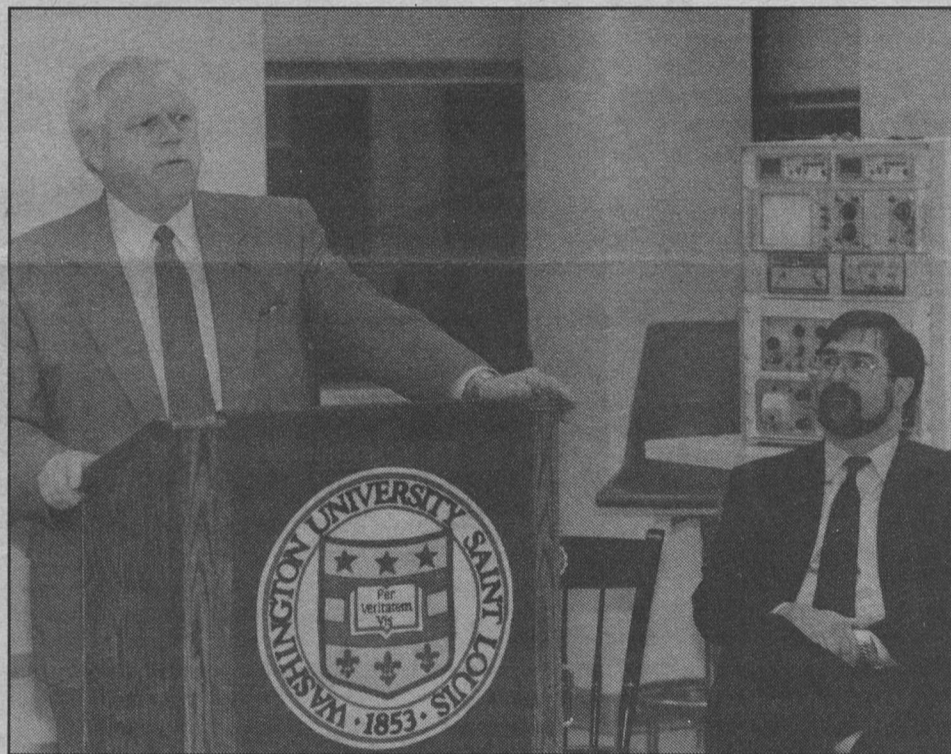
Inaugural speech-givers not only tend to focus on the future of their new administration but also provide a link to the past, often echoing a predecessor's inaugural tact, according to Fields. John Adams referred to George Washington, while George Bush opened with prayer reminiscent of Dwight Eisenhower. Fields believes that Clinton's influence will come from Kennedy.

"Clinton's reasons for getting into politics and political service were shaped by the Kennedy administration," says Fields. "He's not Kennedy; he has different skills and gifts. But if there is any identifiable influence in his speech, it will be Kennedy. ... Kennedy was very good at informal addresses, as is Clinton, and yet both give speeches of a more formal type."

Fields predicts that Clinton's inaugural speech will be formal and include biblical quotations.

"Conservative presidents of the '80s

Continued on page 6



George Russell, Ph.D., president of the University of Missouri (UM), underscores benefits of a recent agreement between the UM system and Washington University to jointly provide undergraduate engineering education to non-traditional students. Christopher I. Byrnes, Ph.D., dean of Washington's School of Engineering, looks on.

Washington, UM system sign agreement to jointly provide engineering classes

Provost Edward S. Macias, Ph.D., and George Russell, Ph.D., president of the University of Missouri, announced an agreement had been signed by the two institutions to jointly provide undergraduate engineering education to non-traditional students. The announcement was made at a Jan. 5 news conference in 115 Urbauer Hall.

Under terms of the five-year agreement, the University of Missouri will pay Washington University for laboratory space, equipment and faculty services for provision of engineering courses. The University of Missouri-St. Louis will provide pre-engineering coursework.

The program will lead to a bachelor's degree in electrical or mechanical engineering and in time should qualify for satisfying the educational requirements leading to licensure as a registered professional engineer in Missouri.

Macias said Washington University welcomes the students and that "we consider the partnership an excellent way to share our campus, resources and personnel

with the citizens of Missouri." He noted that "Washington University has a strong tradition of working with a diversity of institutions — in education, the government and the private sector. We're pleased to continue the tradition with the signing of this agreement."

Christopher I. Byrnes, Ph.D., dean of the University's School of Engineering and Applied Science, said, "Part of our educational obligation is to reach out, and the partnership, along with the Washington University School of Technology and Information Management program, gives us an excellent opportunity to do so." He described the agreement as "a chance to be a solid part of a program that meets the needs of part-time, non-traditional local students. The joint partnership is the perfect way to do this. We're very happy with the arrangement."

Russell underscored several benefits of the agreement, "all of which will help us make the most efficient use of public funds while meeting the needs of place-bound

Continued on page 8

Senior awarded Marshall scholarship

Karen Ho, a senior biochemistry major, received the prestigious British Marshall Scholarship. Ho will use the scholarship to pursue a master's degree in biology at Cambridge University, England, for the next two academic years.

Her award was announced by Sir Robin Renwick, the British ambassador to the United States.

Ho is one of 36 American students to recently receive a British Marshall Scholarship.



Karen Ho

The scholarships have been awarded annually since 1953. More female scholars received the award this year than in any other year. Twenty-three female students were selected as compared with 13 male students.

The scholarships are Britain's national gesture of thanks to the United States for aid received after World War II under the Marshall Plan. The scholarships, financed by the British government, provide an opportunity for American students who have demonstrated academic excellence to

undertake undergraduate or graduate studies for two or three years at a British university.

Some 800 candidates apply for the scholarships each year. Each scholarship is worth about \$20,000 per year and covers tuition costs, books, travel and living expenses. The 1993 scholars have been selected from 26 universities throughout the United States.

Ho is from Pittsburgh, Pa. She plans to teach biology at the university level. Ho plays the violin as a hobby and also enjoys writing essays, short stories and poetry. She won the 1992 Elie Wiesel Prize in Ethics for her essay "Ethics in Education: Toward a More Moral Society."

Ho works in the laboratory of Robert Thach, Ph.D., professor of biology, who also is her adviser. She credits her success to the influence of Thach and Washington University teacher-researchers such as biologists David Kirk, Ph.D., Ian Duncan, Ph.D., and Kathryn Miller, Ph.D., among others.

"If it hadn't been for my professors at Washington University and my family and friends, things like this wouldn't happen for me," she said. "What's most special to me is the award's history — it's given to American students in appreciation for the U.S. Marshall Plan."

In This Issue...

Medical appointments: Four vice chairmen named in Department of Surgery *Page 2*

Washington People: Martha N. Ozawa, Ph.D., uses her research to reveal the economic injustices of American social policies *Page 3*

Fond farewell: Campus Police Chief Norman O. Schneider retires after 24 years *Page 6*

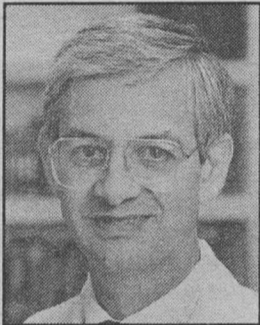
Medical Update

Wells names four academic leaders to serve as vice chairmen in Department of Surgery

Samuel A. Wells, M.D., Bixby Professor and chairman of the Department of Surgery at the School of Medicine, has appointed William J. Catalona, M.D., James L. Cox, M.D., Nicholas T. Kouchoukos, M.D., and Paul M. Weeks, M.D., as vice-chairmen of the department, effective Jan. 1.

The vice-chairmen will work together in an advisory capacity in matters concerning clinical affairs, graduate and post-graduate medical education, research affairs and hospital affairs.

In making the appointments, Wells said that the Department of Surgery has under-



William J. Catalona

gone substantial growth over the last 10 years to its present size of 115 faculty members. The complexity of the department has also increased with the expansion of new clinical programs, including the

addition of the St. Louis Regional Medical Center and the recent integration of the programs at Barnes Hospital and the Jewish Hospital of St. Louis. There also has been an expansion of basic laboratory and clinical research programs.

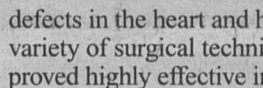
"Doctors Catalona, Cox, Kouchoukos and Weeks have each played highly important roles in the development of the Department of Surgery and they have all made substantial contributions to the medical school," said Wells. "Additionally, each is a leader in American academic surgery and we are fortunate to have them assume these new positions in the Department of Surgery."

Catalona, professor and head of the Division of Urologic Surgery at the School of Medicine, is urologist-in-chief at Barnes Hospital and he directs the urology programs at the Washington University Medical Center. He is known around the world for demonstrating that a simple blood test for prostate cancer is the single most accurate method for detecting the disease. The blood test measures levels of prostate-specific antigen (PSA), a protein produced only in the prostate gland.

"Dr. Catalona has recruited a number of gifted faculty members to the Washington University School of Medicine, and the contributions of this group in several fields of urology, including urinary stone disease, benign and malignant disorders of the genitourinary tract, sexual dysfunction, incontinence and pediatric urology, have been outstanding," said Wells.

Catalona is a member of numerous professional organizations and has received several awards, including the C.E. Aiken Award for Research in Urology and the American Urological Association Gold Cystoscope Award. He serves on the editorial boards of the Journal of Urology and Advances in Urology and is field editor of the World Journal of Urology. He also has been on the scientific advisory committees of the National Kidney Foundation and the American Cancer Society.

Cox, the Evarts A. Graham Professor of Surgery, is chief of the Division of Cardiothoracic Surgery at the School of Medicine and director of cardiothoracic surgery programs throughout the medical center hospitals. He has been a pioneer in the study of aberrant conduction



James L. Cox

defects in the heart and has developed a variety of surgical techniques which have proved highly effective in curing them.

"Dr. Cox has established the premier cardiothoracic surgery program in the country," Wells said. "The clinical, educational and investigative programs are excellent primarily due to the outstanding faculty that he has recruited."

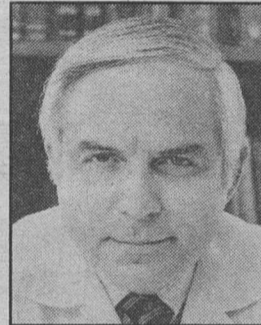
Cox is a member of numerous major surgical societies, serving as secretary of the American Association for Thoracic Surgery and as a member of the Council of the Society of Thoracic Surgeons. He is a member of the Residency Review Committee for Thoracic Surgery and is a director of the American Board of Thoracic Surgery. He also is a member of the National Institutes of Health study section on Surgery and Biomedical Engineering

and serves on the editorial boards of 10 scientific journals.

Kouchoukos, a graduate of the School of Medicine, is the John Shoenberg Professor of Cardiovascular Surgery at the School of Medicine and is chief of cardiovascular and thoracic surgery at Jewish Hospital, where he also serves as surgeon-in-chief.

"Dr. Kouchoukos is recognized internationally as a highly innovative cardiovascular surgeon who has developed and perfected various surgical techniques which have been used widely in the operative management of patients with diseases of the heart and great vessels," Wells said.

Kouchoukos has served on the executive councils of both the American Association of Thoracic Surgery and the Society of Thoracic Surgeons. He is a director of the American Board of Thoracic Surgery. He also has served on the Merit Review Board in Cardio-



Nicholas T. Kouchoukos

vascular Studies for the Veterans Administration in Washington, D.C., and has served on several committees at the National Institutes of Health, including Surgery Study Section A and the Surgery and Bioengineering Study Section. He also was a member of the Consensus Development Panel on Coronary Artery Bypass Surgery. In addition, Kouchoukos is active in the Washington University Alumni Association. He served as its president in 1985-86 and currently is co-chair of the Medical Eliot Society. He received the Alumni-Faculty Award at Washington University in 1991.

Weeks is professor and chief of the Division of Plastic and Reconstructive



Paul M. Weeks

Surgery at the School of Medicine and plastic surgeon-in-chief at Barnes Hospital, positions he has held for 22 years. Under his guidance, the division has received national and international recognition for its research programs especially in areas such as wound healing, regeneration of specialized tissues, study of the pathophysiology, healing and repair of injured peripheral nerves, development of biomechanical prostheses, and use of computer assisted modeling for planning surgical techniques for repair of craniofacial defects. The Millikan Hand Center, which he developed shortly after his arrival at the School of Medicine in 1971, is internationally renowned.

"Dr. Weeks has recruited an outstanding group of academic plastic surgeons to join the faculty in the Division of Plastic and Reconstructive Surgery and he has established excellent clinical programs in each of the medical center hospitals," said Wells. "Weeks has made numerous contributions to the field of plastic surgery and particularly to the specialty of hand surgery."

Weeks serves as a governor of the American College of Surgeons. Currently he is president of the American Association of Plastic Surgeons and has served as a director of both the American Board of Surgery and the American Board of Plastic Surgery. He is an associate editor of the Journal of Hand Surgery and Plastic and Reconstructive Surgery.

Schaefer Trust donates \$1.3 million

The School of Medicine has received a \$1.35 million donation to fund research in the Division of Pulmonary and Critical Care Medicine.

The funding comes from the trust of Martin W. Schaefer, a Belleville, Ill., native, who died from emphysema in 1991. Emphysema, a common respiratory disease, destroys the lungs by causing inflammation of the connective tissue framework. Schaefer had suffered with the disease for several years and had required the use of oxygen before he died. He hoped a trust would further research and aid in the development of new treatments.

"Emphysema and other associated severe respiratory disorders constitute a group of diseases affecting an increasing segment of our adult and aging population," said David M. Kipnis, M.D., distinguished university professor in the Department of Internal Medicine. "The ability to expand our research activities in understanding the pathological events leading to these disorders and devising mechanism-based therapeutic strategies to treat them represents an extraordinary opportunity for our scientists engaged in this area of clinical investigation."

Schaefer was born July 16, 1923, and attended public school in Belleville. He was drafted into the U.S. Army in 1942 and discharged as a 1st Lieutenant in 1946, after which he joined the Army Reserves. He was called back into the service in 1957 during the Korean conflict and opted for a military career at the end of that war. He retired as a colonel in 1970.

The Division of Pulmonary and Critical Care Medicine is known for its research in asthma and pulmonary obstructive disease, and has the largest lung transplant program in the world. It is directed by Michael J. Holtzman, M.D.

Two scientists share 11th Wakeman Award for neuroscience research

Two scientists at the School of Medicine have received the Wakeman Award for Research in the Neurosciences.

John W. Olney, M.D., professor of psychiatry and neuropathology, and Dennis W. Choi, M.D., Ph.D., Andrew B. and Gretchen P. Jones Professor of Neurology and head of neurology, received the award. Jeffrey C. Watkins, M.D., professor of pharmacology at the University of Bristol in Bristol, England, was the third recipient.

The researchers were recognized for their work in the area of excitotoxicity. The term, coined by Olney, describes the process through which brain and nerve cells are literally stimulated to death by the brain's neurotransmitters. Excitatory amino acids, particularly glutamate and aspartate, can have toxic effects on cells in the brain and spinal cord. Injury from trauma or stroke and diseases such as Alzheimer's cause the release of large quantities of excitatory amino acids and destroy irreplaceable brain and nerve cells.

The Wakeman Award is considered one of the most prestigious in the neurosciences. "It is a special honor, for which I am very grateful," says Choi. "I hope to join Drs. Watkins, Olney and others in continuing to

contribute to the excitotoxicity field."

For Olney the award represents official recognition for the first three generations of contributors to the field of excitotoxicity. Watkins, he says, provided the foundation by identifying how amino acids alter the activity of neurons. Olney later discovered the toxic effects of the excitatory amino acids and demonstrated their potential role in brain disorders. Choi followed by producing glutamate excitotoxicity in cultured brain neurons and clarifying mechanisms by which glutamate excitotoxicity can contribute to neurological disorders. "The contributions are not in competition with one another, but are rather separate aspects of the same theme that complement one another," Olney says.

The Wakeman Award was established in 1972 by Nancy D.W. Gardiner in memory of her husband William T. Wakeman, who had been a paraplegic. It is given every two years. Past recipients of the award include Washington University professors Rita Levi-Montalcini, M.D., in 1974 and Viktor Hamburger, Ph.D., in 1978.

Olney, Choi and Watkins each received a plaque and a \$10,000 cash award from the Wakeman Award Foundation.

Record

Executive Director,
University Communications: Judith Jasper
Executive Editor: Susan Killenberg
Editor: Deborah Parker, 935-5235, Box 1070
Editor, Medical news: Kleila Carlson, 362-8261, Medical School Box 8065
Assistant Editor: Carolyn Sanford, 935-5293, Box 1070

Contributing writers: Debby Aronson, Jim Dryden, Gerry Everding, Tony Fitzpatrick, Nancy Galofre, Jim Keeley, Juli Leistner, Nancy Mays, Dave Moessner, Joni Westerhouse, and Mike Wolf

Photographers: Joe Angeles, Tom Heine, David Kilper and Herb Weitman

Production: Galen Harrison

Record (USPS 600-430; ISSN 1043-0520), Volume 17, Number 15/Jan. 14, 1993. Published for the faculty, staff and friends of Washington University. Produced weekly during the school year, except school holidays, and monthly during June, July and August by the Office of Public Affairs, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, Mo. 63130. Second-class postage paid at St. Louis, Mo.

Address changes and corrections:

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

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

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

 **Washington**
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Ozawa's research helps society's orphans

It was an abandoned baby girl that convinced Martha N. Ozawa, Ph.D., to give up a lucrative sales career in her Japanese homeland and pursue social work studies in America.

In the early 1960s, Ozawa was on a routine sales call when she met an American family eager to adopt a Japanese baby. Having learned fluent English as a teenager, Ozawa agreed to act as the mediator and help the family adopt a one-year-old girl who had been abandoned in a bicycle parking lot when she was 10 days old. When Ozawa went to the baby's orphanage in Nagoya, Japan, she was appalled by what she saw.

"The building was awful," she recalls, "and the children did not look well-fed. But what struck me most was that the babies weren't crying. Not one of them. They were in their cribs all standing up, completely expressionless, with no caretakers in sight.

"I don't know why but the sight of them made me sing. Those babies' eyes opened so wide and they started rocking. Right then I thought this little baby should have a chance. All babies should have a chance."

Though some 30 years have passed since the adoption, Ozawa still carries a picture of the baby girl in her wallet, a reminder of one of the most pivotal incidents in her life. Following the adoption, Ozawa quit her job for Lufthansa German Airlines in Japan and enrolled in the master's program in social work at the University of Wisconsin, Madison. She received a master's degree in 1966.

Since then, she has become a scholar of social policy issues, taking care, in a sense of society's orphans — the poor, the disenfranchised, single mothers and children on welfare. Ozawa, who is the Bettie Bofinger Brown Professor of Social Policy at the George Warren Brown School of Social Work, uses her research to reveal the economic injustices of many American social policies.

An expert in income maintenance, she has studied Social Security, Unemployment Insurance, Workers' Compensation, Aid to Families with Dependent Children, Medicaid and Medicare. She has researched the feminization of poverty, the vulnerable economic state of the elderly and the disparate way the federal government treats children on welfare versus children on Social Security.

"She is one of the best known scholars on income distribution issues," says Nancy Humphries, dean of the School of Social Work at the University of Connecticut. "Her writings have had a major impact in shaping how the social work profession views the issue of poverty by bringing to light the unequal ways in which programs are funded."

In a way, Ozawa's work serves as an economic watchdog for federally funded programs. She analyzes where the money comes from, whom it goes to and often devises more equitable ways to distribute the funds. She is part economist — in 1956 she earned a bachelor's degree in economics from Aoyama Gakuin University in Tokyo — and part social activist. Not only does she write about social policies, she works firsthand with social agencies in the city.

Of the nearly 90 articles, 18 book chapters and three books Ozawa has published, she is most proud of one of her earlier works, a 1974 article published in *Social Service Review* that challenges the traditional way economists interpret Social Security payments. In it, Ozawa concludes that Social Security is subsidizing the well-to-do more than the poor. Her work refutes the traditional, proportional method of examining Social Security, which says that Social Security helps low-wage retirees more than high-wage retirees because the benefit formula is slanted in favor of those with lower incomes.

Ozawa's research shows that Social Security provides much more than the annuity value of workers' contribution, which is a worker's annual, lifetime contribution plus compounded interest. And she shows the absolute amount of excess benefits — that is, benefits over and above the annuity value — is far greater for high-wage retirees than for low-wage retirees. Though traditional economists don't view the absolute amount the benefi-

ciary receives as important, Ozawa steadfastly defends that measurement standard. The reason, she says, is because the federal government has no legal or moral justification for providing excess benefits in proportion to workers' contributions or in proportion to workers' previous earnings.

In the same paper, Ozawa devised the idea of a national minimum payment, a universal pension paid

to every person who reaches a predetermined age. At the very minimum, this pension would guarantee poverty-line income for America's elderly. On top of that, a payment would be distributed that is based on that person's lifetime contributions to Social Security plus interest.

ciary receives as important, Ozawa steadfastly defends that measurement standard. The reason, she says, is because the federal government has no legal or moral justification for providing excess benefits in proportion to workers' contributions or in proportion to workers' previous earnings.

In the same paper, Ozawa devised the idea of a national minimum payment, a universal pension paid

to every person who reaches a predetermined age. At the very minimum, this pension would guarantee poverty-line income for America's elderly. On top of that, a payment would be distributed that is based on that person's lifetime contributions to Social Security plus interest.

ity benefits by the well-to-do is making the distribution of Social Security benefits more in line with Ozawa's earlier contention that Social Security is helping the well-to-do more.

While Ozawa's early work focused on social policies affecting the elderly, today much of her work focuses on social policies affecting women and children. That she sees those issues as related is an example of her holistic approach toward assessing and solving social problems.

For instance, Ozawa urges America to invest more in children or, she warns, there will be no future generation of workers to bankroll this country's burgeoning Social Security bill. On the same note, she urges America to take more seriously issues affecting working women. Not only does she see females as the future backbone of America's labor force, but in many cases they are the primary caretakers of this country's young — the segment of the population that will someday take care of America's retiring baby boomers.

"I see a connectedness between issues. It comes from being Japanese and it's helped my research," she said.

Reading Ozawa's resume of publications is like reading a list of social ills that have pestered American society over the past two decades, in particular those dealing with women. Her research has revealed economic injustices in nearly every phase of a woman's life: from the elderly woman who takes home far less Social Security than the elderly man to the working woman who is economically penalized for having children while her male counterpart is not.

She considers a recent study on women and children one of the most disturbing she has conducted. In analyzing birthrates, Ozawa revealed that educated women are having far fewer babies than undereducated women. The cause, she says, is a society that offers inadequate support for women who juggle family and career. And the result, she notes, is a growing pool of underprivileged, undereducated children. "We must invest in each and every child in this country," Ozawa says. "We can't afford to ignore them."

Ozawa began researching income maintenance at the University of Wisconsin, Madison, where she received her doctorate in 1969. She joined the Washington University faculty in 1976 as an associate professor. Previously, she taught at the School of Social Work at Portland State University in Oregon and conducted research on Social Security at New York University. In 1985, she was awarded the first named chair in the George Warren Brown School of Social Work's history.

Though Ozawa moved to the United States from Japan as an adult, she began a kind of love affair with this country as a young girl. After World War II, she would watch U.S. soldiers visit her parents' department store and follow them through the aisles, listening to them speak English. "I was 12 and here were these G.I.'s from America. They represented this enormous, great country. I knew then I would have to see America," she said.

She learned English by engaging the soldiers in small talk. She mastered it later by working as a maid — for free — for a U.S. captain's wife, all the while telling her parents she was studying in the library each day.

"It's funny when I look back, but I was so focused on America and learning English," she said. "I was crazy about it."

It may seem paradoxical that the young girl so infatuated with America would become a scholar who chronicles its social ills. But not to Ozawa.

"I am not disillusioned with America. There is a sense of humanity here, a deep sense of humanity, that is so beautiful. The more I understand about America, the more I respect this country for trying."

— Nancy Mays



"We must invest in each and every child in this country. We can't afford to ignore them."

to every person who reaches a predetermined age. At the very minimum, this pension would guarantee poverty-line income for America's elderly. On top of that, a payment would be distributed that is based on that person's lifetime contributions to Social Security plus interest.

"At the time, I was looking for more adequacy in Social Security, a way to avoid overpaying the wealthy while lower-income Americans could barely scrape by," she says. Interestingly, the recent move by the federal government to tax part of the Social Secu-

Calendar

Jan. 14-23


Lectures

Thursday, Jan. 14

10:30 a.m. Developmental Biology Program thesis defense, "Analysis of the Transcriptional Regulation of a Murine T-Cell Receptor Vα Promoter," Alec Ming F. Ching, Room 10064 Clinical Sciences Research Bldg.

Noon. Dept. of Genetics seminar, "Fluorescent *In Situ* Hybridization: Applications in Gene Mapping and Cytogenetics," Barbara Trask, Dept. of Molecular Biotechnology, U. of Washington, Seattle. Room 816 McDonnell Medical Sciences Bldg.

Noon. WU Student and Employee Health Service and the Office of Women in Science and Medicine seminar, "Working Relationships Between Female Physicians and Nurses," Carla Patton, registered nurse, and Anna Fitz-James, instructor in pediatrics. The lecture is part of a seminar series focusing on issues related to women professionals. Wohl Hospital Bldg. Aud. For more info., call 362-3528.

4 p.m. Dept. of Chemistry seminar, "Nitroxides as Spin Probes in Epoxy Polymers," I.M. Brown, McDonnell Douglas Corporate Research and Development. Room 311 McMillen Laboratory.

Friday, Jan. 15

9:15 a.m. Pediatric Grand Rounds, "Pediatric Cardiac Transplantation: Beyond Cute Baby Pictures," Charles Canter, asst. prof., Dept. of Pediatrics, WU School of Medicine; Division of Cardiology, St. Louis Children's Hospital. Clopton Aud., 4950 Children's Place.

10 a.m. Molecular Cell Biology and Biochemistry Program thesis defense, "Determinants of Ligand Specificity for Three Intestinal Lipid Binding Proteins," Katherine Miller, WU graduate student. Room 2918 South Bldg.

Noon. Dept. of Cell Biology and Physiology seminar, "Activation of the Erythropoietin Receptor: Mouse Model of Leukemogenesis," Gregory Longmore, instructor in medicine, WU School of Medicine. Room 423 McDonnell Medical Sciences Bldg.

1 p.m. Immunology Program thesis defense, "Molecular Mapping of the Intercellular Domain of the Interferon-γ Receptor: A Structure-Function Analysis," Michael Farrar, WU graduate student. Room 7738 Clinical Sciences Research Bldg.

4 p.m. Dept. of Anatomy and Neurobiology seminar, "Genetics and Morphology," James Cheverud, prof., WU Dept. of Anatomy and Neurobiology. Room 928 McDonnell Medical Sciences Bldg.

4 p.m. Dept. of Earth and Planetary Sciences colloquium, "And Not a Drop to Drink: Water on Mars and in SNC Meteorites," Harry Y. McSweeney Jr., head, Dept. of Geological Sciences, U. of Tennessee, Knoxville. Room 362 Natural Science Bldg.

4 p.m. Dept. of Music lecture, "Analytical Fictions," Marion Guck, assoc. prof., WU Dept. of Music. Room 8 Blewett Annex.

4 p.m. Division of Hematology-Oncology faculty seminar, "The Biogenesis of Lysosomes," Stuart Kornfeld, prof., WU departments of medicine and biochemistry and molecular biophysics. Room 8841 Clinical Sciences Research Bldg.

Saturday, Jan. 16

9 a.m. Department of Anatomy and Neurobiology seminar, "A Beginner's Guide to Transgenic Mice: B. Gene Insertion and

Deletion," Joshua Sanes, assoc. prof., WU Dept. of Anatomy and Neurobiology. Erlanger Aud., McDonnell Medical Sciences Bldg.

Tuesday, Jan. 19

4 p.m. Dept. of Chemistry seminar, "Synthesis and Structure as a Function of Ligands in Organoaluminum Chemistry," Gregory Robinson, prof. of chemistry, Clemson U., South Carolina. Room 311 McMillen Laboratory.

4 p.m. Dept. of Anthropology seminar, "Middle Stone Age: Origins of Modern Humans," Richard Klein, prof. of archaeology, U. of Chicago. Room 149 McMillan Hall.

Wednesday, Jan. 20

8 a.m. Dept. of Obstetrics and Gynecology Grand Rounds, "The Polycystic Ovary," Eli Adashi, director, Division of Reproductive Endocrinology, U. of Maryland School of Medicine, Baltimore. Clopton Aud., 4950 Children's Place.

11 a.m. Assembly Series presents the Neureuther Library Lecture, "Our American Obsession," with author Studs Terkel. Graham Chapel.

Noon. Marilyn Fixman Clinical Cancer Conference presented by Jewish Hospital Cancer Committee, "Screening and Treatment of Prostate Cancer," Joseph Basler, acting chief of urology and asst. prof. of urologic surgery, Jewish Hospital; and David Keetch, instructor, Division of Urology and asst. prof. of urologic surgery, Barnes West County Hospital. Brown Room, Jewish Hospital.

4 p.m. Dept. of Physics colloquium, "Fishing for Cosmic Rays," James Beatty, asst. prof., WU Dept. of Physics. Room 204 Crow Hall.

5 p.m. Division of Cardiology seminar, "Neural and Endocrine Influences on the Rhythm of the Heart," John Boineau, WU departments of medicine and cardiothoracic surgery. Room 601A School of Medicine Library.

Thursday, Jan. 21

Noon. WU Student and Employee Health Service and the Office of Women in Science and Medicine seminar, "Women's Stories," Sue Sobel, instructor in social work in psychiatry. Wohl Hospital Bldg. Aud. For more info., call 362-3528.

4 p.m. Dept. of Chemistry seminar, "Tyrosyl Radical in Atherosclerosis," Jay Heinecke, prof., WU Dept. of Medicine Lipid Research Center. Room 311 McMillen Laboratory.

4:30 p.m. Dept. of Mathematics colloquium, "Analytic Hypoellipticity, Nonlinear Eigenvalues and Nilpotent Group Representations," Michael Christ, prof., U. of California, Los Angeles. Room 199 Cupples I Hall.

Friday, Jan. 22

9:15 a.m. Pediatric Grand Rounds, "Computer Assisted Decision Making — The Demise of the Greek Oracle," Michael Kahn, asst. prof., WU departments of medicine and internal medicine. Clopton Aud., 4950 Children's Place.

Noon. Dept. of Cell Biology and Physiology seminar, "Post-transcriptional Regulation: An Emerging Paradigm for Control of Extracellular Matrix Production," William Parks, asst. prof., WU School of Medicine. Room 423 McDonnell Medical Sciences Bldg.

4 p.m. Dept. of Anatomy and Neurobiology seminar, "Retinal Cell Transplantation: Potential for Recovery of Visual Function," Martin Silverman, research asst. prof., WU departments of ophthalmology and visual sciences and anatomy and neurobiology. Room 928 McDonnell Medical Sciences Bldg.

4 p.m. Dept. of Earth and Planetary Sciences colloquium, "The Origin of Archean Anorthosites and Their Implications for Planetary Evolution," William Phinney, NASA's Johnson Space Center. Room 362 Natural Science Bldg.

4 p.m. Division of Hematology-Oncology seminar, "Superantigen Function in Mouse Mammary Tumor Virus Infection," Susan Ross, prof., Dept. of Biochemistry, U. of Illinois College of Medicine, Chicago. Room 8841 Clinical Sciences Research Bldg.

Saturday, Jan. 23

9 a.m. Dept. of Anatomy and Neurobiology seminar, "A Beginner's Guide to Transgenic Mice: C. Trapping and Farming," Joshua Sanes, assoc. prof., WU Dept. of Anatomy and Neurobiology; and John Merlie, prof., WU Dept. of Molecular Biology and Pharmacology. Erlanger Aud., McDonnell Medical Sciences Bldg.



Performances

Friday, Jan. 15

8 p.m. Edison Theatre "OVATIONS!" Series presents the Turtle Island String Quartet. (Also Jan. 16, same time.) Edison Theatre. Cost: \$20 for the general public; \$15 for seniors and WU faculty and staff; and \$10 for students. For more info. or reservations, call 935-6543.

Saturday, Jan. 16

2 p.m. Edison Theatre "ovations! for young people" series presents the Turtle Island String Quartet. Edison Theatre. Cost: \$7. For more info., call 935-6543.

Friday, Jan. 22

8 p.m. Performing Arts Department presents "Washington University Dance Theatre." (Also Jan. 23, same time, and Jan. 24, 2 p.m.) Edison Theatre. Cost: \$7 for the general public; \$5 for seniors, students and WU faculty and staff. For more info. or reservations, call 935-6543.

Saturday, Jan. 23

8 p.m. Edison Theatre "Stage Left" Series presents Blue Rider Theatre performing "Frida: The Last Portrait." (Also Jan. 24, same time.) Drama Studio, Room 208 Mallinckrodt Center. Cost: \$12 for the general public; \$10 for seniors and WU faculty and staff; and \$8 for students. For more info. or reservations, call 935-6543.



Films

Friday, Jan. 15

7 and 9:30 p.m. Filmboard Feature Series presents "Blade Runner." (Also Jan. 16, same times, and Jan. 17, 7 p.m.) Room 100 Brown Hall. Cost: \$3. **For 24-hour Filmboard hotline, call 935-5983.**

Midnight. Filmboard Midnight Series presents "Buckaroo Banzai." (Also Jan. 16, same time, and Jan. 17, 9:30 p.m.) Room 100 Brown Hall. Cost: \$3.

Monday, Jan. 18

7 and 9 p.m. Filmboard Foreign Series presents "Cabiria." (Also Jan. 19, same times, and Jan. 24, 7 p.m.) Room 100 Brown Hall. Cost: \$3.

Friday, Jan. 22

7 and 9:30 p.m. Filmboard Feature Series presents "The Player." (Also Jan. 23, same times, and Jan. 24, 7 p.m.) Room 100 Brown Hall. Cost: \$3.

Midnight. Filmboard Midnight Series presents "Blue Velvet." (Also Jan. 23, same time, and Jan. 24, 9:30 p.m.) Room 100 Brown Hall. Cost: \$3.



Exhibitions

"Selections From the Gift of Mr. and Mrs. Edwin Grossman." Through Jan. 29. Olin Library, Special Collections, Level 5. Hours: 8:30 a.m.-5 p.m. weekdays. For more info., call 935-5495.

"Works of Graphic Satire." Through Feb. 19. Olin Library, Special Collections, Level 5. Hours: 8:30 a.m.-5 p.m. weekdays. For more info., call 935-5495.

"Washington University Art Collections — 19th- and 20th-century European and American Artists." Through May. Gallery of Art, lower gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 935-4523.

"Goddesses and Queens." Ancient coin exhibition opening: Jan. 15. Exhibit continues through July 3. Gallery of Art, lower gallery, Steinberg Hall. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info., call 935-4523.



Miscellany

Monday, Jan. 18

7 p.m. WU student organizations, Dept. of Education and Student Educational Service present "The Dream Then, The Dream Now," a program commemorating Martin Luther King Jr. (A reception will follow the program in the Schoenberg Gallery, Mallinckrodt Center.) Graham Chapel. Free. For more info., call 935-5037.

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 Marie Doss at Box 1070 (or via fax: 935-4259). Submission forms are available by calling 935-8533.

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 935-8533.

Studs Terkel inaugurates spring Assembly Series

Studs Terkel, author of *Race: How Blacks and Whites Think and Feel About the American Obsession*, will open the spring Assembly Series Wednesday, Jan. 20, as he delivers the Neureuther Library Lecture in Graham Chapel. His lecture, "Our American Obsession," is scheduled at 11 a.m. The series also will include talks by television producer Linda Ellerbee and author Frances Moore Lappé.

The Assembly Series, now in its 33rd year, offers free lectures to the University community and the public. Lectures are supported by Student Union, academic departments and others, as well as the Assembly Series. Unless otherwise noted, all of the lectures are held at 11 a.m. in Graham Chapel.

Terkel, a pioneering oral historian, won the Pulitzer Prize in general nonfiction in



Studs Terkel

Chicago's fine arts radio station, WFMT, where each weekday morning he hosts the nationally syndicated program "The Studs Terkel Show." This Peabody Award-winning program features interviews, discussions, readings from literature, musical and dramatic presentations and documentaries.

On Jan. 27 Helen Thomas, White House bureau chief for United Press International, will give the CHIMES Lecture. A 30-year veteran of the White House press corps, she was a panelist in the third 1992 presidential debate held at Michigan State University.

'The Last Portrait'

Play examines Mexican artist's life

An upcoming play will examine the work and life of a relatively unknown, but gifted artist. "Frida: The Last Portrait" is about the late Mexican artist Frida Kahlo. The one-person play, created by Blue Rider Theatre of Chicago, will take place at 8 p.m. Jan. 23 and 24 in the Drama Studio, Room 208 Mallinckrodt Center.

"Frida" is part of Edison Theatre's "Stage Left" series, which presents adventurous, offbeat performances in the intimacy of the Drama Studio.

Artist Frida Kahlo, now recognized as one of the premier 20th-century artists, was hidden in the shadow of her husband, muralist Diego Rivera, for most of her short adult life (she died at 47). Recently Kahlo has become the subject of books, plays and exhibits as people discover the passion, pain and artistic vision expressed both in her work and her life.

"I've had two major accidents in my life," says Kahlo in the play. "The first occurred when a train slammed into a bus I was riding in Mexico City, and a rail from the bus pierced my back and came out my stomach. The second was my marriage to the famous muralist Diego Rivera."

Donna Blue Lachman portrays Kahlo in this intimate play. Lachman, artistic director of Blue Rider Theatre, founded the experi-

mental ensemble with artistic coordinator Tim Fiori in 1984. Fiori makes a brief appearance in "Frida" and helped Lachman write the play.

The play has been described as a "blend of art and theatre." The audience is treated to an exhibit of Kahlo's work in the foyer, prior to entering the theatre. They are then greeted at the door by Kahlo (Lachman) herself. During the course of the one-hour production, Kahlo interacts with the audience members, offering them erotic cookies, wine and cigarettes and flirting with some of the men. As she talks, Kahlo sips from a hip flask.

"I drink to drown my sorrows," Kahlo notes, "but those little stinkers have learned to swim."

The play is filled with wry, poignant observations typical of Kahlo's sense of humor. The play also uses slides of Kahlo's work.

As one critic wrote, "A slide lecture given by the artist herself — especially as brought to life by an actress who definitely finds her way deeply into her character — proved irresistible."

Tickets to "Frida: The Last Portrait" are \$12 for the general public; \$10 for faculty, staff and senior citizens; and \$8 for students. For more information, call 935-6543.

from contemporary modern dance and ballet to tap dancing and a re-creation of a 1920s jazz dance. The musical accompaniment includes selections by Mariah Carey, Irving Berlin, Schumann, J.S. Bach and local composer Robert Chamberlin.

The choreographers are Cowell; Paul Mosley, artist-in-residence in dance; O'Neal; Suzanne Grace, artistic director of Burning Feet Dance Company; and Jan Feager, artistic director of Tapsichore.

Tickets are \$7 for the general public and \$5 for senior citizens, students and faculty and staff. Senior citizens can attend the Sunday matinee at half price. For more information, call 935-6543.

from contemporary modern dance and ballet to tap dancing and a re-creation of a 1920s jazz dance. The musical accompaniment includes selections by Mariah Carey, Irving Berlin, Schumann, J.S. Bach and local composer Robert Chamberlin.

The choreographers are Cowell; Paul Mosley, artist-in-residence in dance; O'Neal; Suzanne Grace, artistic director of Burning Feet Dance Company; and Jan Feager, artistic director of Tapsichore.

Tickets are \$7 for the general public and \$5 for senior citizens, students and faculty and staff. Senior citizens can attend the Sunday matinee at half price. For more information, call 935-6543.

from contemporary modern dance and ballet to tap dancing and a re-creation of a 1920s jazz dance. The musical accompaniment includes selections by Mariah Carey, Irving Berlin, Schumann, J.S. Bach and local composer Robert Chamberlin.

The choreographers are Cowell; Paul Mosley, artist-in-residence in dance; O'Neal; Suzanne Grace, artistic director of Burning Feet Dance Company; and Jan Feager, artistic director of Tapsichore.

Tickets are \$7 for the general public and \$5 for senior citizens, students and faculty and staff. Senior citizens can attend the Sunday matinee at half price. For more information, call 935-6543.

of International and Public Affairs at Columbia University.

On March 24 Linda Ellerbee will deliver the Omicron Delta Kappa Honors Lecture, "Moving On: Surviving Life with One's Sense of Humor Intact." For the past 20 years, she has earned a living writing, producing and anchoring television. She has won several Emmys.

The Martin Luther King Jr. Symposium speaker March 31 is Julianne Malveaux, an economist and columnist. Her talk is titled "The Parity Imperative: Civil Rights, Economics, Justice and a New America." Malveaux is a member of the visiting faculty in the African American Studies Department at the University of California, Berkeley.

The Thomas Hall Lecture at 4 p.m. April 8 will be given by Dorothy Porter, an historian of medicine at the University of London. Her talk, "Social Medicine and Scientific Humanism in Britain in the 1940s," is scheduled in Rebstock Hall, Room 215. She is an expert on public health, particularly women's health in Britain in the 20th century.

On April 14, Philip Levine, professor of classics at the University of California, Los Angeles, will give the John and Penelope Biggs Lecture in the Classics/Phi Beta Kappa/Sigma Xi Lecture. Levine is a spe-

Program commemorates King's birthdate

In honor of the Jan. 15, 1929, birthdate of Martin Luther King Jr., Washington University will sponsor a commemorative celebration titled "The Dream Then, The Dream Now" at 7 p.m. Monday, Jan. 18, in Graham Chapel. Following the program, a reception will be held in the Schoenberg Gallery outside The Gargoyle in Mallinckrodt Center. Both of the free events are open to the University community.

The celebration will feature performances by Visions, a Washington University gospel choir, the Blumeyer Youth Choir, the St. Louis Black Repertory Theatre and the Black Composer Repertory Chorus, among others. Chancellor William H. Danforth will greet the audi-

ence and Washington students will deliver testimonials detailing how King influenced their lives.

The event is sponsored by a number of University organizations and departments. For more information, call 935-5037.

In addition, Jerry M. Hunter, general counsel for the National Labor Relations Board (NLRB), will be the featured speaker at the School of Law's Second Annual Martin Luther King Jr. Day Celebration.

He will speak at 11 a.m. Wednesday, Jan. 20, in the Moot Courtroom in Mudd Hall.

Hunter, who received his law degree from Washington University in 1977, has been one of the federal government's top labor officials since he was appointed to the NLRB in 1989.

Sports

Men's Basketball

Last Week: Washington 77, Rochester 67; Washington 97, Brandeis 66

This Week: MacMurray College, 7:30 p.m. Thursday, Jan. 14, St. Louis; Johns Hopkins University, 2 p.m. Sunday, Jan. 17, Baltimore, Md.

Current Record: 6-5

Freshman center Kevin Folkl, St. Louis, who was limited to just eight minutes of action in the first semester because of a knee injury, was brilliant in his "true" debut against Rochester. Folkl made 10-of-11 shots from the field and 5-of-5 from the line to finish with a career-high 25 points in 24 minutes off the bench. The Bears forged into a first-place tie in the UAA with the rare win over Brandeis. Sophomore forward Jeff Hutz, Terre Haute, Ind., came off the bench to post game-highs with 17 points and nine rebounds.

Women's Basketball

Last Week: Washington 44, Rochester 37; Washington 71, Brandeis 50

This Week: Blackburn College, 7:30 p.m. Tuesday, Jan. 12, St. Louis; Catholic University, 5 p.m. Friday, Jan. 15, Washington, D.C.; Johns Hopkins University, 11 a.m. Sunday, Jan. 17, Baltimore, Md.

Current Record: 10-1

The Red and Green are now ranked first in the NCAA Central region.

In a game against Rochester, senior guard Carolyn Royce, Clayton, Mo., chipped in with a team-high nine points and made seven key free throws down the stretch. The Bears again started slowly versus Brandeis, sinking just one of their first 19 field goal attempts. Nonetheless, the Red and Green surged in the second half behind the inspired play of freshman forward Dana Bryant, Franklin, Tenn.

Men and Women's Swimming/Diving

Last Week: Men: Washington 71, Chicago 39; Washington 79, Trinity 23; Women: Washington 81, Chicago 31; Washington 72, Trinity 38

This Week: DePauw University, 7 p.m. Friday, Jan. 15, Greencastle, Ind.; Wabash College (Men only), 1 p.m. Saturday, Jan. 16, Crawfordsville, Ind.

Current Record: Men: 6-2; Women: 6-1

The men won all 11 of the swimming events against both Chicago and Trinity, and split the two diving events with Chicago. The women's team earned top honors in 12 of the 13 events against Chicago and in eight versus Trinity.

Sophomore Dave Cuneo, Springfield, Pa., and freshman Robert Powers, Shreveport, La., both won two events. On the women's side, senior Jen Schulenberg, Red Wing, Minn., and junior diver Katie Elson, North Brunswick, N.J., both won two events.

Schneider says goodbye after 24 years as campus police chief

In the late 1960s, Washington University's security department consisted of 18 unarmed security guards who patrolled buildings and provided transportation for sick students.

Campus Police Chief Norman O. Schneider transformed the force into a professional one with armed, deputized officers who have full police powers. On Jan. 31, Schneider, who has led the Campus Police Department for nearly 24 years, will retire.

Schneider "is a real professional," said Joe F. Evans, retired associate vice chancellor for business affairs and Schneider's boss for many years. "He brought real police to the campus. Through the years, he has kept his professional status but he also has recognized that the campus is different than a city. His force is attuned to the needs of the campus."

Before Schneider's arrival in April 1969, "the St. Louis County Counselor's Office questioned whether guards had the authority to make arrests," said Schneider, who has worked in law enforcement for more than 37 years. Because of rising crime and anti-Vietnam War disturbances, the University was considering adopting a more professional law enforcement system. In late 1969, Schneider and other Washington officials, as well as University attorneys from the Bryan Cave law firm, created a new security system modeled after Yale University's plan.

"The Yale Plan" means that deputized police officers are employed on campuses rather than guards, Schneider explained. Back then, "there weren't too many universities that had a formal police department (with deputized officers). Yale still enjoys the reputation of being the forerunner in that area." But Washington was the first educational institution in St. Louis to establish a program with deputized officers, he said.

Stationed at 6930 Millbrook Blvd., the 26-member department is "a full county police authority that operates somewhat like a small municipality," said Schneider, a former Kirkwood, Mo., police lieutenant. Schneider designed the security system at St. Louis Community College at Meramec in 1968. He is a 1964 graduate of the FBI National Academy.

"Some people still tend to view us as security guards rather than real police officers here to help them. But all of our people are qualified and certified by the state," he said.

Campus police investigate all reports of criminal incidents on campus, make arrests, apply for warrants, give emergency first aid, patrol campus grounds and help neighboring police departments when needed.

The department has 18 deputized officers, including an investigator. Thirteen are former St. Louis County police officers and five are former St. Louis City officers. All of the deputies have completed 600 hours of training at a city or county police academy.

Schneider's staff also includes four dispatchers, one administrative assistant and two unarmed service officers. The service officers handle routine duties such as securing campus buildings. Both deputy and service officers patrol the campus.

During his tenure, Schneider has created several innovative crime prevention programs, including the installation of blue light emergency phones. The phones are marked by signs, as well as distinctive blue lights in the evening. The phones are directly connected to the campus police.

Washington now has 55 phones located on the Hilltop Campus. Following recommendations of the University's ad hoc Committee on Campus Safety and Security, 28 of the phones were recently replaced with new, more convenient-to-use models. Unlike the older phones, which had receivers, the new phones operate similar to an intercom system.

The campus police installed the first six blue light phones in 1978. The phones were modeled after Cornell University's system. "We were looking for a way that people in trouble could get help. This way we could have a safety device that was there 24 hours a day in all types of weather."

The Campus Police Department also has been a national leader in reporting crime statistics to the federal government. "The Campus Crime Awareness and Campus Security Act of 1990 made it mandatory that colleges and universities report their crime statistics to the government and the



Campus Police Chief Norman O. Schneider will retire Jan. 31.

public on a yearly basis. We've been doing that for 13 years, said Schneider. The University of Missouri at Columbia and Washington University were the only two universities in Missouri that reported the statistics at that time.

"Crime statistics are an important part of law enforcement. They serve as a barometer and enable police to see where the problem areas are." The crime statistics, which are reported to the FBI, are published in the U.S. Department of Justice's annual publication titled "Crime in the United States."

Schneider's memories of his years on campus include some of Washington's, and society's most difficult times. When asked about his most challenging days, he recalled the Vietnam War protests in the 1960s and 1970s. On May 4, 1970, four students were killed by national guards at Kent State University. The Kent State killings sparked

Washington University students to demonstrate at the Army ROTC hut. The protest resulted in a fire that destroyed the building.

During that period, the chief and many of his staff members worked 12-hour shifts daily. Nevertheless, he understood why people were angry. "The war was such a big problem because it had been dragging on for so long. The students had a lot of support from the outside community, too."

After retirement Schneider will serve as a consultant to the department until his successor is found. Washington is conducting a national search to fill the position.

Summing up his career, Schneider said, "I've always tried to operate a professional department and be honest and competent. I have enjoyed helping people, who, in some cases, just didn't know what to do."

— Carolyn Sanford

Presidency is fundamentally a rhetorical office, Fields says — from page 1

rarely made allusions to the Bible," says Fields. "Liberal candidates and presidents, however, rely heavily on the biblical. Adlai Stevenson's acceptance speech, for instance, was filled with biblical references. The whole idea of the 'new covenant' espoused by Clinton in the campaign draws on the language surrounding his church's celebration of communion and the imagery implicit in Lincoln's speech at Gettysburg."

Time for conciliation/consolation

Fields says Clinton was elected for some of the same reasons that won Kennedy the presidency, including his youth; and he'll need to show the public that he possesses the maturity necessary to handle the job.

"Kennedy barely got elected," says Fields. "The inaugural address gave him more of a base from which to move. Clinton, who got an even smaller percentage of the popular vote, will need a similar performance; he needs to be concerned with conciliating and consoling Americans. From his remarks since the election, that's exactly the direction he is headed."

While Clinton has been praised in the press for his smooth speaking style — especially in comparison with the spaghetti sentences favored by Bush — his trademark long-windedness could re-emerge at the inaugural. Clinton has been criticized for the length of his nominating speech at the 1988 Democratic convention and his acceptance speech in 1992.

"Past experience suggests he will give an inaugural speech that's too long," says Fields. "He had to improve after the nominating speech, but I still thought his acceptance speech dragged on. Kennedy's inaugural speech was relatively short as was Lincoln's."

While Clinton may evoke the gut feeling of Kennedy in his audiences, Fields would advise him to pattern his remarks after those of Franklin Delano Roosevelt, who faced an even tougher economic environment than Clinton does today.

"Clinton will have to use Roosevelt," says Fields. "He'll be running against fear and suspicion. He'll have to tell the American people where they stand and that they can act."

Bush's farewell

While the rhetorical focus will be on Clinton, Bush may not entirely have escaped that "language thing," as Bush has dubbed political rhetoric. If he follows recent tradition, he may well leave office with an official farewell speech. Both

Ronald Reagan and Jimmy Carter gave farewell addresses to the nation. Not all outgoing presidents do.

"Bush does not like politics in one sense," says Fields. "That's part of the ideological

approach of conservatives who came into the political arena because it was so corrupt. Bush pretends to have contempt for political talk — that 'language thing.' He doesn't like verbal confrontations. In press conferences, he does not like to be challenged."

If Bush chooses to give a farewell address, he won't have to fret about its potentially great effect on the nation, according to Fields. Although both Andrew Johnson and Richard Nixon certainly offered noteworthy goodbyes, Fields says that only two presidents' farewell speeches stand out as great positive models.

George Washington initiated the farewell and "instructed his countrymen in proper politics (warning against precisely the partisan model they were about to install)," writes Fields. Eisenhower also left office

with a warning — this one about the dangers of the military industrial complex.

"I don't think Bush will talk about anything substantial," says Fields. "He'll be conciliatory toward Clinton and gracious toward the country. Very rarely is there the opportunity to say something particularly important in a farewell."

Fields says it is difficult to determine exactly what role Bush's distaste for political talk played in his demise from office or how much Clinton's gift for not garbling his gab will help him to successfully fill the

White House vacancy.

The differences in rhetorical styles were all too apparent during the campaign — particularly during the nationally televised debates. Washington Univer-

sity hosted the first debate on Oct. 11, 1992. The second presidential debate featured questions from audience members.

"Clinton likes these exchanges," says Fields. "Bush does not like political conflict. He doesn't move to resolve conflict. He gets angry and becomes combative."

"Clinton loves the give and take. He's constantly moving around the table to draw together people of opposite opinions. Clinton doesn't yell at people. He's generally convinced that disagreements can be worked out, that they can be constructive experiences."

In an attempt to diminish the distance between himself and his audience, Bush often uses slang expressions, according to Fields, who says one presidential speech writer described the Bush speaking strategy

"An articulate president is something Americans long for no matter how cynical they pretend to be about rhetoric and politics."

— Wayne Fields

as: "I'm not an eloquent man. You can trust me. I can't put two words together."

The appeal to the American public of this common-man speaking style may have been greatly misjudged.

"At some point, the president has to be able to give effective expression to the country's concerns," says Fields. "This country, for all of its cynicism, is very idealistic about some things. An articulate president is something Americans long for no matter how cynical they pretend to be about rhetoric and politics."

Fields cites examples from his book of both presidential contenders like Jesse Jackson and noncandidates like Gov. Mario Cuomo, D-N.Y., who remain admired by the American public for their inspired speech-making. Presidents, as well, often can be remembered more for their words than for their actions.

"If we removed Kennedy's speeches and just looked at his legislative accomplishments, we wouldn't have much to say about his administration," says Fields.

The bottom line is that the presidency is fundamentally a rhetorical office, according to Fields.

"His primary weapons are words. He does not control the party, so he must persuade a sizable part of the American public to support his policies. A tremendous amount of what we elect a president to do is to calm our fears and give voice to what holds us together."

Fields advises Clinton to pay heed to America's need for eloquence in the Oval Office.

"The combination of Clinton's articulateness and his ease in talking with people are advantages to build on," says Fields.

"Speeches do tell an incredible amount. A president in shaping his words is shaping his presidency, the way in which the public sees and understands him. No matter how attentive he is to the making of his speeches, they are 'making' him."

Introducing new faculty members

The Record is running a series profiling new faculty on the Hilltop and Medical campuses.

George D. Rose, Ph.D., professor of biochemistry and molecular biophysics, comes to Washington University from the University of North Carolina, Chapel Hill, where he was a professor of biochemistry and biophysics and an adjunct professor of chemistry. He also has worked at The Pennsylvania State University in Hershey, where he held several positions, including chairman as well as distinguished professor in the Department of Biological Chemistry. His major research interests are the structure, self-assembly and dynamics of globular proteins and computer approaches to biochemistry and biophysics. His honors include the 1980-85 Research Career Development Award from the National Institutes of Health for his work on protein folding and the 1985 Hinkle Award and Lectureship from the Hinkle Society of Pennsylvania State. The society presents the annual award to an outstanding young investigator. He serves on a number of editorial and advisory boards, such as the board of editorial advisers for the *Biopolymers* journal. He also is a member of several professional review committees. In 1963 he received a bachelor's degree in mathematics from Bard College in Annandale-on-Hudson, N.Y. Then, he earned a master's degree in mathematics and computer science and a doctorate in biochemistry and biophysics, both from Oregon State University, in 1972 and 1976, respectively.

Angel Wai-mun Lee, M.D., Ph.D., assistant professor of biochemistry and molecular biophysics, comes to Washington University from the National Heart, Lung and Blood Institute at the National Institutes of Health (NIH), where she was a second-year resident in internal medicine. The NIH awarded her a 1987-1992 research fellowship for her work on structure and function relationships in the receptor for colony-stimulating factor-1. Her other research interests include intracellular signal transduction. Lee, a member of Phi Beta Kappa, is the recipient of several scholarships and honors, including the 1980-84 Medical Scientist Training Program Fellowship from the NIH. Her numerous abstracts and articles have been widely published in journals and magazines. In 1975 Lee received a bachelor's degree in chemistry with highest honors from Wellesley College in Mass. In 1984 she received both a doctorate in biophysics from Harvard University and a medical degree, cum laude, from the Harvard Medical School in Cambridge, Mass.

Eric D. Whitman, M.D., assistant professor of surgery, comes to Washington from the surgery branch of the National Cancer Institute at the National Institutes of Health, where he was a senior staff fellow. Among his research interests is the development of gene therapy for cancer, using active specific immunotherapy. He also was an intern, chief resident, postdoctoral fellow and instructor in the Department of Surgery at The Pennsylvania State University College of Medicine in Hershey. Among his honors are the 1987 George T. Harrell Surgical Scholar Award from Pennsylvania State University and the 1989 Medason Award for Excellence in Scientific Research from the Society for Vascular Technology. Whitman has published articles in scientific journals and has delivered several presentations. He received a bachelor's degree in chemistry from Haverford (Penn.) College in 1981 and a medical degree from The Pennsylvania State University College of Medicine in 1985.

For The Record

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

Of note

The Washington University chapter of Sigma Xi, the scientific research society, presented research grants to eight undergraduates in honor of the students' excellence in research. Each award carries a stipend of up to \$200. The students and the titles of their projects are: **Malcolm A. De Leo**, a senior in chemistry, for "Supra-Molecular Structures of Carbon 60: A New Approach to Inorganic Stereo-Chemistry"; **William J. Feldhues**, a senior in anthropology, for "The Development of the American Ceramic Industry and the St. Louis World's Fair of 1904"; **Nathanael M. Fristoe**, a senior in psychology, for "Preference Reversal in a Self-Control Paradigm"; **Carrie A. Kelley**, a senior in anthropology, for "The Effects of Malnutrition on Cortical Bone Thickness and Stature"; **Masaru K. Kuno**, a senior in chemistry, for "Fluorescence and Time Resolved Studies on Semiconductor Nanocluster Photophysics"; **Elizabeth A. Levy**, a senior in psychology, for "Ego Development and the Five Factor Theory of Personality"; **Jeffrey J. McGuire**, a junior in earth and planetary sciences, for "Spatial Configurations of Deep Earthquakes in Subduction Zones and Relationship to the Cause of Deep Earthquakes"; and **Suzanne E. Rosen**, a senior in psychology, for "Discounting of Delayed Rewards as a Function of Age and Income Level."

On assignment

Mark E. Frisse, M.D., associate dean for academic information management, associate professor of medicine and director of the medical school library and biomedical communications center, was elected to the American Medical Informatics Association's board of directors. The association, which comprises medical informatics professionals, has approximately 2,000 members. He also was elected to the executive board of the American College of Medical Informatics. ...

Garcia elected national president of student architecture group

V. Maximillian Garcia, a graduate student in the School of Architecture, has been elected national president of the American Institute of Architecture Students (AIAS). Garcia is the first Washington University student to be elected to an AIAS national office. His one-year term begins July 1.

Founded in 1956, the AIAS is a non-profit, student-run organization based in Washington, D.C. The president serves as the primary representative of approximately 38,000 undergraduate and graduate students of architecture and related disciplines in nearly 200 colleges and universities nationwide. The president holds a voting board position with the American Institute of Architects and represents student interests to various related boards covering licensing, education and accreditation.

Garcia also will be responsible for publishing the group's journal, CRIT, and will help publish the quarterly newsletter, AIAS News.

In addition to these responsibilities, Garcia hopes to improve communication between the national office and the student chapters and to expand the AIAS into Canada and possibly Mexico.

A native of New Haven, Conn., Garcia is the president of the student chapter of AIAS at Washington University. The University chapter was founded approximately eight years ago.

Marvin E. Levin, M.D., clinical professor of medicine, was a visiting professor in Cairo, Egypt, for the Egyptian Diabetes Care Association. He gave a lecture during the association's post-graduate symposium on diabetic vascular disease. ...

Van McElwee, lecturer in performing arts, served as a panelist for the National Endowment for the Arts Regional Fellowship Program at the Center for New Television, a Chicago-based media arts center that provides funding, production and exhibition assistance for independent video production. The fellowship program distributes production grants to media artists in the Great Lakes states. The American Film Institute and the National Endowment for the Arts fund the grants.

Speaking of

Three of the students who participated in a seminar on 19th-century capitals were selected to present their research at the Association of Collegiate Schools of Architecture's southeast regional conference held in Savannah, Ga. **Eleni Bastéa**, Ph.D., assistant professor of architectural history, taught the seminar and presented the introductory paper on "Modernity and Everyday Life: City Streets in the 19th Century" at the conference. The architecture students who presented illustrated lectures are: senior **Aya Yasumatsu**, on "Truth Behind the Masks: Behind the Perfection of Haussmann's Paris"; graduate student **Silas A. McCullough III**, on "The Architecture and Society of the 19th-century London Terraced House";

and graduate student **Randy D. Bird**, on "Orientalism and Modernism: French Urban Planning and Architecture in Hanoi and Saigon." ...

Lynn Stockman Imergoot, assistant athletic director, was part of a panel titled "Woman to the Power of Four" during the Missouri Association of Health, Physical Education, Recreation and Dance's annual conference held in Columbia, Mo. She spoke on the Pathfinder Award, which honors members of the National Association for Girls and Women in Sport who advocate, recruit and enhance opportunities for girls and women in sport and sport leadership. The association sponsors the Pathfinder Award.

To press

Paul Michael Lützeler, Ph.D., professor of German and comparative literature and director of the European Studies Program, wrote a 560-page book in German titled *Authors on Europe. From Romanticism to the Present*. The book, published by Piper, focuses on the literary construction of European identity during the past 200 years and the movement toward European unity as discussed by leading European writers.

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, Campus Box 1070. Items must not exceed 75 words. For more information, call 935-5293.

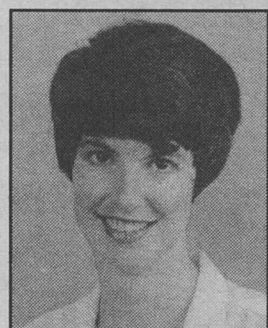
University alumna named career services director for law school

Teresa DeAndrado has been named director of career services for the School of Law, according to Dean Dorsey D. Ellis Jr., J.D.

DeAndrado received a bachelor's degree in Spanish and international development magna cum laude from Washington University in 1987. She has worked at the School of Law in several capacities since then. Prior to being named director, she was the interim director and interview coordinator for the career services office.

"Ms. DeAndrado brings a great deal of ability to this position," said Ellis. "She has been very effective in the administration of the career services office and has demonstrated a high commitment to providing the highest level of services to students."

In her new position, DeAndrado will continue to focus on the important role alumni play in placing graduates in jobs.



Teresa DeAndrado

"Our alumni have been extremely helpful through such efforts as the law school's career placement network," DeAndrado said. "The alumni efforts to help new graduates find jobs is very significant — particularly in light of the competitive job market."

Campus Authors

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

Writing Philosophy: A Guide to Professional Writing and Publishing is a new book by **Richard A. Watson**, Ph.D., professor of philosophy. In this practical and good-humored approach to writing and publishing philosophy, he asserts that well-written philosophy is the result of technical skills that must be learned if a philosopher hopes to communicate ideas to an audience beyond immediate acquaintances. In the book, the author provides a set of basic principles and a methodology for writing argumentative papers and books, along with a plan for preparing dissertations that require very little rewriting for publication. Besides helping individuals studying philosophy, the book also is designed to aid students and faculty in the humanities and social sciences. (Southern Illinois University Press)

Education and Work for the Year 2000: Choices We Face is a new book by **Arthur G. Wirth**, Ph.D., professor emeritus of education. In the book, he examines the complex changes going on in American work and schooling, and he outlines the organizational innovations that are necessary if both institutions are to regain their competitive edge. The advent of technology, he explains, has placed us at a critical juncture where it is no longer enough to teach students and train workers to perform well on standardized tests and tasks. What is needed in both the office and the classroom, he says, is a new system of management and learning — one that draws upon and teaches skills in abstract thinking, experimental inquiry and collaborative problem solving. (Jossey-Bass Inc.)

Opportunities & personnel news

Hilltop Campus

The following is a list of positions available on the Hilltop Campus. Information regarding these and other positions may be obtained in the Office of Human Resources, Room 126 North Brookings Hall, or by calling 935-5990.

Assistant Director of Indirect Cost

920156. *Accounting Services*. Requirements: Master's degree, eight to 10 years progressively responsible experience in administrative or supervisory functions, preferably in a university, health care or not-for-profit environment; excellent interpersonal and communications skills; related accounting experience, including: financial administration of government grants and contracts and indirect cost reimbursement for research. Resume and three letters of recommendation required.

Contract and Grant Coordinator

930053. *School of Social Work*. Requirements: Bachelor's degree with accounting background; strong communication and interpersonal skills; experience in funded research and administration and working with federal governmental agencies and foundations; PC word processing and spreadsheet skills; ability to organize and work under deadline pressure; typing 40 wpm with accuracy. Clerical testing and three letters of recommendation required.

Department Secretary, Part-time

930073. *Center for Computer Systems Design*. Requirements: Some college; typing 50 wpm with accuracy. Duties: answer telephone, greet callers; maintain calendars, schedules, files; make travel arrangements; type routine correspondence and classwork; assist in fiscal activities of center; coordinate journal search via Washington University School of Medicine Library; assist in annual report preparation, coordination of research progress reviews, departmental accounting procedures; coordinate center technical report distribution; maintain office supplies. Clerical tests and three letters of recommendation required.

Programmer

930091. *Olin Library*. Requirements: Bachelor's degree in computer science; demonstrated experience in coding and debugging C programs; working knowledge of the UNIX environment, including TCP/IP networking; knowledge of object-oriented programming technologies such as C++; knowledge of PC programming environments (DOS and WINDOWS); experience implementing client-server applications. Resume and three letters of recommendation required.

Researcher

930110. *Development Services*. Requirements: Bachelor's degree, liberal arts background preferred; strong research and writing skills. Application, resume and three letters of recommendation required.

Library Technical Assistant (Binding)

930116. *Olin Library*. Requirements: Two years of college-level study or equivalent; physical stamina (to lift boxes filled with books); ability to work with details in an organized and accurate manner; ability to work with materials in foreign languages; reading knowledge of one foreign language preferred; typing 30 wpm with accuracy. Clerical tests and three letters of recommendation required.

Department Secretary

930120. *Alumni and Development*. Requirements: Specialized secretarial and business training; two years office experience, reflecting excellent word processing; typing 40

wpm with accuracy and organizational skills; must have a strong command of the English language and be able to deal with multiple priorities with minimal supervision. Overtime, including nights, weekends, etc. is essential, as is a good personality and good grooming. Clerical tests and three letters of recommendation required.

Operation Clerk I

930121. *Information Systems*. Requirements: High school graduate; good physical health (able to safely handle a loaded two-wheel dolly up and down stairs); able to work extra hours, weekends and shift changes. Scheduled work week will be Tuesday through Saturday. Application and three letters of recommendation required.

Deputized Police Officer

930122. *Campus Police*. Requirements: Must have 640 hours of approved academy training to be state certified. Deadline is Jan. 30. Application and three letters of recommendation required.

Administrative Secretary

930124. *Office of Public Affairs*. Requirements: Must be a high school graduate, secretarial school preferred; must be highly organized, people oriented, self-motivated with a can-do attitude; typing 50 wpm with accuracy. Clerical tests and three letters of recommendation required.

Reference Librarian, Part-time

930128. *School of Business*. Requirements: ALA-accredited MLS degree. Responsible for all operations in the library during the weekend; implement and interpret policy. Working hours each semester: noon to 6 p.m. Saturday; 1 to 6 p.m. Sunday; and 3:15 to 7:15 p.m. one weekday. Resume and three letters of recommendation required.

Administrative Coordinator, CRO Program

930129. *Research Office*. Requirements: Minimum of two years of college, bachelor's degree preferred. Support the associate vice chancellor for research and the director of the medical school's corporate research opportunities program by assembling scientific and marketing information, drafting correspondence, managing special project development, drafting reports, employing data base searching and data base management skills. Must be capable of smooth written and verbal interaction with medical school faculty, Research Office technology transfer (patents and licensing) staff, and representatives from R&D or legal departments of companies; initiative, judgment and mature communications skills required. Resume and three letters of recommendation required.

Director, Sponsored Projects Services

930130. *Research Office*. Requirements: Bachelor's degree. Supervise and provide services in the area of federal and nonprofit research funding to the University. Experience needed in principles of management of public funds by universities, government contracting practices, government regulations affecting research universities. Supervision of personnel to grade 10 required; interact and problem solve with faculty, administrators, agency personnel; monitor and analyze public policy; develop management systems to promote smooth function between different university departments. Supervisory and position specific experience required. Resume and three letters of recommendation required.

Director, Medical Research Project

930131. *Research Office*. Requirements: Master's degree, doctorate preferred. Direct a new program to generate corporate sup-

port for medical research; develop a networking capability through personal interaction with medical school faculty and corporate R7D managers. Interact with research office staff involved with technology transfer (patents and licensing). Graduate-level training in science or business required; up-to-date technical knowledge of several of the following areas required: biotechnology, pharmacology, medical devices and medical imaging; ability to extrapolate from scientific interest to commercial application required; strong synthetic and analytical skill and presentation abilities needed. Deadline is March 15. Resume and three letters of recommendation 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 may contact the Human Resources Department of the medical school at 362-4920 to request an application. External candidates may call 362-7195 for information regarding application procedures or may submit a resume to the Human Resources office located at 4480 Clayton Ave., Campus Box 8002, St. Louis, Mo. 63110. The medical school does not disclose salary information for vacancies.

Medical Technologist I, Pediatrics Instruction and Research

930408. Hours: 16 hours a week, midnight Friday and Saturday with some holidays. Requirements: Bachelor's degree with one year micro experience; MT (ASCP or equivalent) accreditation preferred. Will perform hematology, coagulation and urinalysis tests.

Secretary II, Biology and Biomedical Sciences

930413. Requirements: High school graduate or equivalent; two years college preferred; typing 60 wpm; must be tactful and have a pleasant personality. Prefer individual with two years related experience. Word processing experience desirable. Should be familiar with general office equipment. Will provide secretarial support for division administrator.

Secretary III, Respiratory and Critical Care

930421. Requirements: High school graduate or equivalent with three years related experience; some college or business school training preferred; typing 60 wpm; word processing experience. Will perform secretarial duties for the director of the division.

Statistical Data Analyst, Dept of Psychiatry Instruction and Research

930422. Requirements: Bachelor's degree in math or biostatistics with two to three years research experience; master's degree preferred. Should be fluent in DBase, SAD, SPSS and BMDP; prefer skills in Mainframe and PC. Will be doing analysis of all PI's research.

Medical Technologist I, Pediatrics Instruction and Research

930425. Hours: 16 hours a week, Saturday and Sunday evenings with some holidays and weekdays. Requirements: Bachelor's degree with one year hematology experience; MT (ASCP or equivalent) accreditation preferred. Will perform hematology, coagulation and urinalysis tests.

Administrative Coordinator, Anesthesiology

930435. Hours: Some weekend and overtime work required. Requirements: High school graduate or equivalent; prefer individual who has worked in a medical environment; must have professional demeanor

and experience in managing an office, including supervision of employees; word processing experience. Will serve as liaison with faculty and business office; will train secretaries in word processing and do troubleshooting.

Systems Operator, Biological Chemistry

930455. Hours: 20 hours a week, hours negotiable. Requirements: Four years college, bachelor's degree in math, computer science or related field preferred; prefer individual with one to two years hands-on experience; should have good communication skills and the ability to instruct non-computer individuals; operations experience preferred. Experience in BSD, UNIX or SUNOS required.

Medical Technologist I, Pediatrics Instruction and Research, Full-time

930463. Hours: Rotating weekends and holidays. Requirements: Bachelor's degree, MT/ASCP preferred; prefer two years Med. Tech school and four years experience or four years Med. Tech school and BS degree. Will perform varied virological lab tests and exercise mature knowledge of the subject to physicians.

Medical Research Technician, Gastroenterology

930469. Hours: 24 hours a week, possible evening or early morning hours. Requirements: Bachelor's degree; desire experience with sterile techniques and cell culture work; prefer experience with molecular biological assays. Work will involve Agarose Gel, Electrophoresis, Southern Blotting and Labelling of Oligonucleotide Probes.

University applauds employees' service

The Washington University community was busy during the holiday season spreading good cheer.

The University community contributed \$840 to the 100 Neediest Cases fundraising campaign. This holiday season campaign for the needy in St. Louis was sponsored by the St. Louis Post-Dispatch and United Way. Contributing schools and departments were: Office of Budget and Financial Reporting and the Special Projects Office of the School of Medicine, Office of Human Resources, Information Systems, School of Engineering and Applied Science, University College and the Office of Public Affairs.

Engineering — from page 1

students." He said the University of Missouri (UM) will not be required to spend millions immediately on laboratory space and equipment. As demand for the program grows, UM can limit its spending, he said, by controlling enrollment, if necessary.

Russell also indicated that the agreement contributes to the University of Missouri's efficiency while making wise use of the broader system of higher education in Missouri. "We simply must learn to cooperate and to make use of all of our assets in higher education, both public and private," he said, "and we must begin to look at cooperative programs across state lines."

Blanche Touhill, Ph.D., chancellor of the University of Missouri-St. Louis, said, "It is extremely logical and cost efficient for two St. Louis institutions, such as Washington University and UM-St. Louis, to combine their faculty strengths to provide place-bound St. Louisans with the opportunity to earn engineering degrees that will benefit countless individuals and businesses in St. Louis."