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Max Beckmann's "Four Artists Around a Table," which depicts Beckmann (lower right) and three friends hiding from the Nazis, was painted in 1943 after the artist had fled Germany for the United States. The work is currently on loan from the Gallery of Art to the Los Angeles County Museum of Art's exhibition "Exiles and Émigrés: The Flight of European Artists From Hitler."

Expatriation issues threaten art loans, worry museum curators, Ketner says

Last month's confiscation of two paintings from New York's Museum of Modern Art (MOMA) has dramatized the dilemma facing museum curators dealing with artworks seized before, during and after World War II.

The debate on expatriation has been simmering for years but came to a boil Jan. 7 when New York authorities issued a subpoena to prevent two canvases by Austrian Expressionist Egon Schiele, on loan to MOMA by the Austrian government-backed Leopold Foundation, from returning to Austria. The subpoena was based on a lawsuit filed by American heirs of collectors from whom the works had allegedly been seized by the Nazis prior to the war. The paintings now await the outcome of a criminal inquiry into their provenance.

On the heels of similar challenges at such high-profile institutions as the Art Institute of Chicago, the Museum of Fine Arts in Boston and New York's Metropolitan Museum, the incident has provoked much discussion in the international museum world.

"The big, blockbuster-style exhibitions are highly dependent on borrowing," explained Joseph D. Ketner, director of the Gallery of Art, who regularly authorizes the loan of important works from the University's collection. In fact, two of the gallery's major holdings — Max Beckmann's 1943 "Four Artists Around a Table" and Max Ernst's 1943 "The Eye of Silence" — are currently included in the Los Angeles County Museum of Art's exhibition "Exiles and Émigrés: The Flight of European Artists From Hitler," which is traveling now to Berlin's Neue Nationalgalerie. "The fear is that cases like these will have a dampening effect on institutions' ability to arrange those sorts of shows."

For Ketner, the issue is of more than professional interest. As the nephew of curator Alexander Dorner, a famous early supporter of so-called "entartete kunst" or "degenerate art," it is also one of family history.

"The whole issue of expatriating culture is very tied up with how my family came to this country," Ketner said. "From 1925 to 1936, my uncle was director of the Landesmuseum in Hanover, Germany, where he was among the first to purchase works by artists like

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Agreement foresees new drugs to thwart bacterial resistance

Washington University has signed an agreement with SIGA Pharmaceuticals Inc. that gives the company exclusive rights to new antibacterial technology, allowing SIGA to develop an entirely new class of antibiotics that are less likely to be sidelined by bacterial resistance than current therapies. The agreement also provides three years of research funding to the Washington University scientists who are involved in this project.

SIGA Pharmaceuticals is a New York-based drug development company that produces vaccines, antibiotics and novel anti-infectives. The firm also signed agreements with MedImmune and Astra, two biotech companies that previously had licensed the technology from the University.

Scott J. Hultgren, Ph.D., associate professor of molecular microbiology at the School of Medicine, developed the technology. Over the past decade, Hultgren's group has determined how Gram-negative bacteria manufacture the structures that allow them to cling to human tissues and therefore cause disease. Gram-negative bacteria are identified by the pink color they take up in a test known as the Gram stain test.

"We are delighted to enter into a relationship with this exciting new biopharmaceutical venture," said P. Andrew Neighbour, Ph.D., associate vice chancellor and director for technology management. "We are optimistic that

SIGA will develop effective new drugs for the treatment of Gram-negative bacterial infections using this technology."

Most of Hultgren's work has focused on strains of *E. coli* that infect the kidney and bladder. But the same principles apply to many other pathogens, including those that cause middle-ear infections, pneumonia, meningitis and gonorrhea. "The knowledge that we generated by studying the structure and function of microbial attachment has provided a blueprint for the development of novel

antimicrobial therapeutics and strategies," Hultgren said.

E. coli is covered with hair-like structures called pili. The tips of the pili carry proteins that fit into receptors in the kidney or bladder lining like keys into locks.



Scott J. Hultgren

Firmly anchored, the bacteria go about their business undisturbed.

Hultgren's team has identified the major components along the pilus assembly line. They include a protein that chaperones pilus subunits to the outer bacterial membrane and another that extrudes them to the cell surface. The researchers also have identified

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Science historian warns of neo-eugenics

In an era when the Human Genome Project is considered the "Holy Grail" of modern biology, a historian of science warns that society runs a risk of becoming too confident that science can solve most human problems.

One possible outcome could be a new form of eugenics emerging in our society, said Garland E. Allen, Ph.D., professor of biology in Arts and Sciences, in a lecture delivered Saturday, Feb. 14, at a major national conference.

Eugenics was a social movement prevalent in Western culture from 1900 to 1940 that claimed many social, personality and mental traits were hereditary. This claim led to a belief that "bad heredity" in the poor, the working class and certain racial and ethnic groups was the cause of large-scale social problems.

Eugenicists sought to correct these problems by reducing the birth-rate among those deemed genetically defective and increasing it among those deemed genetically superior. The emphasis on better human breeding and racial purity became part of the stock-in-trade of the Nazi ideology that emerged so dramatically just before and during World War II.

Allen, delivering the George Sarton Lecture last weekend at the annual meeting of the American Association for the Advancement of Science (AAAS), traced the history of eugenics and drew parallels between the early movement and current trends. The lecture was titled "Genetics, Eugenics and the Medicalization of Social Behavior: Lessons from the Past."

Eugenics led to concerns for the "burden of the poor," racial degeneracy and the call for increased "national efficiency" in Depression-era America and throughout Europe, especially in Germany, Allen explained. In arguing for increased national efficiency, eugenicists claimed that genetically "deficient"

people drained the economies of industrial countries and were burdens best eliminated from the gene pool.

Among the ramifications of the eugenics movement, which was funded by some of America's wealthiest industrialists and philanthropists, were the Immigration Restriction Act of 1924, which restricted immigrants of "inferior biological stock" from central European and Mediterranean countries, and compulsory sterilization laws in 32 states that led to more than 60,000 sterilizations of both men and women between 1907 and the mid-1960s.

Allen said that simplistic genetic ideas were a classic trademark of eugenic thinking. For example, in the 1920s, eugenicists classified behavioral problems such as criminality, manic depressive insanity, schizophrenia, pauperism and even "thalassophilia" (love of the sea) as inherited traits.

Critics at the time pointed out that such claims lacked any substantial evidence and were being made irresponsibly. But eugenicists ignored criticism and pressed their points in the popular media and the political arena.

In viewing the present, Allen sees some similarities to the approach eugenicists took 75 years ago. He cited an array both of behaviors and of social problems ranging from depression, risk-taking and homosexuality to criminality and substance abuse that many psychiatrists and psychologists today consider to be predominantly genetically based. The evidence for such claims, Allen stated, is about as simplistic as eugenicist claims of the past and has little more solid data behind it.

Garland believes this view is coupled with a naive notion that the Human Genome Project, once completed, will reveal everything about human biology, and science will be better able to cope

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Jean Milburn has helped shape major change at the John M. Olin School of Business

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A compelling play explores race relations issues rising out of Black-Jewish conflict in New York

Medical Update



Finding out about health careers

At the Health Professions Fair Feb. 10 in Olin Gymnasium at the School of Medicine, Gateway Institute of Technology students Emanuela Kakova (center) and Trang Vo identify bones and discuss radiology techniques with Dean Brake, clinical instructor for the Barnes-Jewish Radiography School. The fair, which is sponsored annually by the Office of Diversity Programs, provides a forum for high school students to explore health career opportunities.

Hidden threat to organ transplants is focus of study

Thalachallour Mohanakumar, Ph.D., professor of surgery, of medicine and of pathology, has received a four-year \$1.2 million grant from the National Institute of Diabetes and Digestive Kidney Diseases for the study of hidden peptides that could be dooming many organ transplants.

When a patient needs a new organ or a bone marrow transplant, physicians often scour the country for the "perfect" match. For a transplant to be successful, the donor and the recipient must carry the same HLA antigen, a marker that the body uses to distinguish self from non-self. There are 80 or 90 different HLA antigens in the population at large, and two non-related people are unlikely to be HLA compatible.

Unfortunately, HLA matching doesn't guarantee success. While transplants between identical twins almost always work without the need for immunosuppression drugs, transplants between others remain dicey. Even with heavy immunosuppression, many patients reject their perfect matches. The immune system often attacks the foreign tissue, destroying it cell by cell until it no longer functions. Clearly, the immune system needs to see more than just the right HLA antigen before it accepts a transplant.

In a previous study, Mohanakumar and colleagues made a discovery that may explain why some transplants fail. They found that HLA antigens in kidneys carry peptides, short chains of amino acids, that often differ from person to person. The peptides seem to act like back-up markers that give the immune system a chance to double-check the identity of a cell. Two identical HLA antigens from two different people may or may not carry the same peptide.

Mohanakumar has shown that some T cells — part of the body's immune system — readily attack kidney cells that carry the wrong peptide. He suspects mismatched peptides could trigger rejection of lungs, bone marrow and other tissues. Currently, about 10 percent to 15 percent of all transplanted kidneys get rejected, and the successful transplants last an average of only eight or nine years.

Co-investigators of the study are Todd Howard, Ph.D., assistant professor of surgery; Nancy Poindexter, Ph.D., research instructor of surgery; and Bashoo Naziruddin, Ph.D., research instructor of surgery.

The first task for Mohanakumar and

Mammography messages need to be tailored for older women

About half of U.S. deaths from breast cancer each year occur in women who are 65 years of age or older. Yet older women, especially minorities, get the fewest mammograms. A new School of Medicine study suggests that doctors may help turn this trend around by addressing women's fears of finding a lump and other barriers to getting tested.

"Telling women they should get mammograms isn't enough," said Celeste Sugg Skinner, Ph.D., assistant professor of radiology at the Mallinckrodt Institute of Radiology. "It's important to first find out what a woman's thinking. If she's not leaning toward getting a mammogram, the first step should be to find out why."

Skinner was primary investigator in a study of 253 women living in two high-rise complexes in urban St. Louis. A 1995 phone survey of these women, who were 65 or older, explored the erroneous beliefs, fears and practical issues that deter women from getting mammograms. The findings are published in the January issue of the *American Journal of Preventive Medicine*.

About half the women had received a mammogram within the past two years. About a third were not thinking of being tested, and the remaining 16 percent were contemplating the screening test.

Overall findings revealed that women were more likely to have had recent mammograms if they were younger than 75, were more educated, were nonsmokers or received fairly regular medical care.

The survey also showed that many women shared certain misconceptions about breast cancer and mammography. For example, many mistakenly believed that self-exams can find lumps as small as the pea-sized ones revealed by mammograms.

Women who were not considering getting mammograms were somewhat more likely to believe that breast cancer is a young woman's disease, that finding a cancerous lump would likely lead to a mastectomy, and that a woman who protects her breasts from being bumped, bruised or fondled is less likely to get breast cancer.

Fear of finding a cancerous lump was the major barrier for those already considering getting tested. Skinner said these women may need more information on mammography's benefits and a reassuring reminder that most breast lumps are not cancerous.

Those held back mainly by erroneous beliefs may decide to get exams if given proper information about their risk of breast cancer and benefits of early screening, she noted. Although having a doctor or nurse suggest a mammogram helped, the survey revealed that this advice alone did not spur women to get exams.

Surprisingly, women who received care at private doctors' offices also were among those less likely to have had mammograms. Skinner speculated that breast cancer may not be discussed as often if older women visit a private physician for specific health care needs. And health care clinics may be closer to mammography sites or be able to arrange transportation. Cost was not found to be a significant concern and should become even less of a factor as Medicare this year begins covering annual mammograms.

The study also found that fear of pain during a mammogram was an issue for some women. During the exam, a woman's breast is pressed between two plates to get a good X-ray image of breast tissue. This pressure often causes a feeling of tightness and may cause discomfort. Skinner notes that any uneasiness will be short-lived, however. "A mammogram takes only a few seconds, and it can reveal breast cancer before it becomes a serious disease," she said.

— Barbra Rodriguez

Steinbach receives Javits neuroscience award

Joseph Henry Steinbach, Ph.D., professor of anesthesiology and of neurobiology, has been awarded a \$1.6 million Javits Neuroscience Investi-



Joseph Henry Steinbach

gator Award from the National Institutes of Health.

The award is designated for investigators submitting regular research grant applications for competitive review who have a distinguished record of substantial contributions to some field of neurological science and are expected to be highly productive over the next seven years.

The award will support Steinbach's

colleagues will be to understand the structure of the peptides. In another phase of the study, the researchers will study how T cells respond to mismatched peptides in patients who are undergoing rejection of transplanted kidneys. He said that T cells that react to the peptides may behave differently than the T cells that attack other antigens.

Eventually, Mohanakumar hopes his research will lead to new strategies for preventing transplant rejection. Perhaps doctors can use small, steady doses of peptides to build up a patient's tolerance before the transplant, thus eliminating the need for continued immunosuppression, he said.

project, "Acetylcholine Receptor Function." His work focuses on nicotinic receptors found in skeletal muscle cells and the brain. Steinbach is interested in how nicotine, the addictive element in cigarettes, interacts with the nicotinic receptor in the brain. He hopes that his examination of the physiology and pharmacology of this receptor will lead to a better understanding of its role in the nervous system.

Steinbach's work has included research into a variety of receptors. He studies gamma-amino butyric acid receptors, the primary inhibitors of brain activity. The receptors are an important component in anesthesiology because they respond to a range of clinically used drugs.

Steinbach, who is director of the research division in the Department of Anesthesiology, joined the University in 1984.

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Washington
WASHINGTON UNIVERSITY IN ST. LOUIS

Washington People

Milburn helps shape world-class MBA programs

The history of Jean Milburn's career at the John M. Olin School of Business reads like a textbook on change management. When she came here as a student in the master of business administration (MBA) degree program in 1982 and graduated in 1984, the school was regional, attracting most of its students from Missouri and the Midwest, and its MBA curriculum was, by and large, standard. The school offered solid management training and had a modest endowment, and, in terms of rankings, it wasn't yet on the radar screen.

Changes between then and now have been dramatic, and Milburn not only has watched them but has had a strong hand in shaping them. She's been on the MBA program staff ever since her graduation. (She jokes that she never "got a real job.") Now, as associate dean for MBA programs for the school, she's part of its management team.

"It's important to look for new ways to do things — to never become so attached to a course or activity that you aren't willing to pitch it out when better things come along," Milburn said. Her flexibility has stood her in good stead the past two years as she helped completely reconstruct both MBA programs under her responsibility — one for full-time students and the other for evening students. The latter, known as the part-time MBA program, was first to be radically transformed.

Looking at the high attrition rate of part-time MBA students in the second year, Milburn and others knew the program needed to be more convenient for evening students and better matched to their needs. "Over a Christmas break, I outlined a plan to improve the program," said Milburn, "and after a benchmarking study, committee approval and much thought by many, we agreed on a new curriculum."

Several fundamental changes were made: The school shortened the program from four years to three years. It switched to a cohort mode in which students enter and continue in a program as a group, allowing them to get to know, befriend and support each other. The format changed to half-semester courses that, because of their shorter duration, allow students more choices in electives and thereby greater customization. ("We focused on electives that appealed most to part-time students," Milburn said.) The number of electives increased. The school also reduced the number and changed the type of required courses.

Transformation yields success

"To implement the new evening program," Milburn said, "we closed admission to the part-time program, not accepting any evening students for fall '95. Then we opened our new professional MBA curriculum, known as the PMBA program, in January 1996." It has enjoyed great success, with attrition dropping to 10 percent. Most who leave the program now do so because of job changes or other life circumstances, not because of dissatisfaction. The average post-baccalaureate work experience of students applying has moved up from three years to six years.

The innovations were so successful that the business school has applied many of them to the full-time MBA program. "We want to make our educational programs as attractive as possible to our customers, within our quality standards," she said. And by all accounts, the full-time program, like the PMBA, is wildly successful. The 1,060 applications for 157 seats in the full-time MBA program in 1997-98 were a record high, and applications for next year are running 30 percent above that. In addition, the school's MBA placement is outstanding, as graduates secure jobs at major companies such as Citibank North America, Ernst & Young LLP, Hallmark Cards Inc., Hewlett-Packard Co., IBM Corp., Monsanto Chemical Co. and The Procter & Gamble Co.

"Jean has done a massive job of restructuring in the past two years," said Stuart I. Greenbaum, Ph.D., dean of the business school since 1995. "She has successfully implemented our unique keystone concept of expanded, informed choice — something not easy to do — and she has weathered and managed enormous change in her part of the business. This is a great tribute to her adaptability."

Milburn saw the need for many of these changes years ago, according to Ron Van Fleet, who, as director of MBA admissions, reported to her from 1990 to 1994. "Jean is a visionary thinker," he said, "and she has the patience and persistence to see ideas through."

Many positive changes have been reflected in and inspired by an external source — Business Week currently ranks the full-time MBA program as 16th in the nation. "When well-read, prestigious magazines started publishing rankings and making them readily and inexpensively available via the Internet to students in the United States and abroad," Milburn said, "the higher-ranked schools began receiving a higher

encourage the largest possible number of talented African-American, Hispanic and Native American college graduates to enroll in 11 member universities and to pursue successful business careers. Washington University is a founding member of the consortium, which is supported by American corporations and foundations.

"It's been a joy to work with consortium fellows at Olin and help them move into top decision-making roles at corporations," Milburn said.

One outstanding example is Nicole Chestang, MBA '88, vice president of the Graduate Management Admission Council, who recently was named Outstanding MBA of the Year by the National Black MBA Association. "I know Jean has a true commitment to diversity

and providing access to education for all types of people," she said, "because I've seen it firsthand."

In the past 10 years, the two have worked together as colleagues, creating major programs for several professional organizations. And years before, Milburn was directly involved in Chestang's admission to the MBA program. "She took a personal interest in students," Chestang said. "When I was admitted, I didn't just get a letter, I got a phone call from her. And her suggestion that I take a preparatory calculus course over the summer and her belief in my ability to succeed in it made all the difference."

Taking time to listen to and talk with students has always been one of Milburn's strong suits, according to Van Fleet, now director of development at The Whitfield School in Creve Coeur. "She realized early on that students are our customers," said Van

Fleet, "and she's counseled and touched the lives of hundreds through the years."

Her experience, though, has not locked her into traditional ways of doing things. "I believe in policies and procedures," she said, "but I also believe in knowing when to make an exception."

Van Fleet put it this way: "Jean gets people to think outside the box, and that's important in today's business climate."

Focusing improvement efforts

Introducing innovations is something Milburn relishes. That's why she decided to participate in the pilot program of a benchmark new MBA study that collects information from competing MBA programs in order to provide statistical analysis of performance on many important measures. "Comparing our performance to that of our competitors has provided focus and direction to our improvement efforts," she said. "I hope this practice will gain broad acceptance in the academic community."

Another innovation — providing electronic application forms and accepting them via a World Wide Web-based service — began in 1996. "Today, fully 50 percent of inquiries about our full-time MBA program come to our office electronically, and much of our promotion and recruitment program is delivered electronically to those inquirers," she said.

Milburn learned about innovation and business early on, around the family supper table. Her father was a dentist in private practice, and at 14, she began working in his office. "I watched him sweat to make his business a success," she said, "and I knew at a young age that each of us holds the keys to our career success in our own hands."

Milburn, born in Victoria, British Columbia, and raised in the suburbs south of San Francisco, set her career direction early, receiving her bachelor of science degree cum laude in organizational behavior from the University of San Francisco. Afterward, she worked for several years in the health care industry before attending graduate school.

Her personal time revolves around her family. Her husband, Roger Wiegand, joined Monsanto as one of its first bio-technology hires at the same time Milburn entered business school and now runs the company's genomics lab in Chesterfield, Mo. They have a 9-year-old son, Adam, and 6-year-old daughter, Annamarie, who was adopted from Romania.

As for other activities? "Forget it," Milburn said. "I'm happy just to read a Dilbert book for fun now and then."

— Nancy Belt



Flags from around the world provide an apt backdrop for Jean Milburn's conversation with Bruce Nwogu, MBA '99, who is originally from Nigeria. Milburn, associate dean for MBA programs at the John M. Olin School of Business, has worked diligently to expand the school's international recruiting.

volume of applications, and lower-ranked ones began to starve."

Like other top schools, the business school can enroll only about 15 percent of its applicants. "For years, we've given one criterion primacy in selection: We look for demonstrated ability to set and achieve challenging goals," Milburn said. "So it's no wonder we now have a group of students with a very high degree of initiative and pure old-fashioned hustle."

Milburn also takes pride in the diversity of MBA students. "About 30 percent of our students now are international, representing about 19 countries," she said. "And our domestic students — 80 percent of whom come from outside Missouri — represent 24 states. It's a good feeling to know we have MBAs from so many diverse geographic areas making major

"I know Jean has a true commitment to diversity and providing access to education for all types of people because I've seen it firsthand."

— Nicole Chestang
MBA '88

contributions to companies, industries and countries throughout the world."

Recruiting and admitting minority and women students has long been important to Milburn. "Usually, we have about 10 percent minority MBA students and about 27 percent female," she said, "and I'd like to see those numbers increase." One way Milburn has worked toward that goal is as a long-time board member of the Consortium for Graduate Study in Management. The consortium provides merit-based, full-tuition scholarships and fees to

Calendar

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

Feb. 19-28



Exhibitions

"Art of the '80s: Modern to Postmodern." Through April 5. Gallery of Art, upper gallery. 935-4523.

"Powerful Grace Lies in Herbs and Plants: A Joint Exhibit on Herbal Medicine." Sponsored by Missouri Botanical Garden Library and Bernard Becker Medical Library. Through April. Seventh floor, Bernard Becker Medical Library, 660 S. Euclid. 362-4235.

Selections from the Washington University art collections. Through April 5. Gallery of Art, lower galleries. 935-4523.



Films

Thursday, Feb. 19

7:45 p.m. French and Francophone Film Series. "Messidor" (1979). Room 219 Ridgley Hall. 935-5175.

Friday, Feb. 20

7 and 9:30 p.m. Filmboard Feature Series. "I Shot Andy Warhol." (Also Feb. 21, same times, and Feb. 22, 7 p.m.) Cost: \$3 first visit, \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Wednesday, Feb. 25

6 p.m. Japanese Film Series. "A Taxing Woman's Return" (1989). English subtitles. Room 219 Ridgley Hall. 935-5156.

Thursday, Feb. 26

7:45 p.m. French and Francophone Film Series. "Péril en la Demeure" (1985). Room 219 Ridgley Hall. 935-5175.



Lectures

Thursday, Feb. 19

11:15 a.m. Center for Mental Health Services Research Seminar Series. "Homeless Drug Abuse: Service Use, Costs, Consequences." David E. Pollio, asst. prof. of social work, and Karin Eyrich and Fay Baker, doctoral candidates. Sponsored by the George Warren Brown School of Social Work. Room 2128 West Campus Administrative Center. 935-5687.

4 p.m. Biology seminar. Faculty Search Candidate Seminar Series. "Evolution of an Epigenetic Developmental System: Convergence, Divergence and the Origin of Novelty in Salamander Pigment Patterns." David Parichy, genetics dept. and candidate for ecologist/evolution of developmental mechanisms faculty position. Room 322 Rebstock Hall. 935-6706.

4 p.m. Cancer Center Seminar Series. "Targeting the RB Gene Family in the Mouse." Tyler Jacks, Center for Cancer Research, MIT. Third Floor Aud., Children's Hosp. 747-0359.

4:15 p.m. Philosophy colloquium. "Connectionism, Systematicity and the Frame Problem." W.F.G. Haselager, researcher, Unit for Theoretical Psychology, Vrije Universiteit, Amsterdam, The Netherlands. Room 110 January Hall. 935-5119.

4:30 p.m. Comparative arts lecture. First annual Matheson Seminar in Comparative Arts. "Heroic Artists and Comfortable

Armchairs: Monet and Proust Conquer Space and Time." Wendy Faris, prof. of English and of comparative literature, U. of Texas-Arlington. Room 303 Mallinckrodt Center. 935-5170.

8 p.m. Writing Program Reading Series. Author Lucie Brock-Broido, assoc. prof. and dir. of the MFA poetry program at Columbia U., will speak on the subject of poet Thomas James. Hurst Lounge, Duncker Hall. 935-7130.

Friday, Feb. 20

9:15 a.m. Pediatric Grand Rounds. "Violence and Weapon Carrying in Televised Music Videos: What Pediatricians Should Tell Their Patients." Robert DuRant, prof. of pediatrics and public health sciences, vice chair of health services research, Wake Forest U. School of Medicine. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell biology and physiology seminar. "Intracellular Ca Dynamics: Novel Methods and Sparkling Results." Mark B. Cannell, prof. and chair of physiology, U. of Auckland, New Zealand. Room 426 McDonnell Medical Sciences Bldg. 362-6630.

1 p.m. Biology seminar. Faculty Search Candidate Seminar Series. "Developmental Genetic Bases for the Evolutionary Diversification of Pigment Patterns in Cyprinid Fishes." David Parichy, genetics dept. and candidate for ecologist/evolution of developmental mechanisms faculty position. Room 212 McDonnell Hall. 935-6706.

7:30 p.m. Earth and planetary sciences lecture. "Galactic Cosmic Rays and the ACE Satellite." Robert W. Binns, research prof. of physics and fellow, the McDonnell Center for the Space Sciences. Co-sponsored by the St. Louis Astronomical Society and NASA Missouri Space Grant Consortium at WU. Room 162 McDonnell Hall. 935-4614.

Saturday, Feb. 21

11 a.m. University College Saturday Seminar Series. "Medieval Paris." Norris J. Lacy, prof. of Romance languages and literatures. Goldfarb Aud., McDonnell Hall. 935-6788.

Monday, Feb. 23

Noon. Molecular biology and pharmacology seminar. "DNA Methylation and Epigenetics." Eric Richards, asst. prof. of biology. Pharmacology Library: Philip Needleman Library, Room 3907 South Bldg. 362-2725.

3 p.m. Mathematics analysis seminar. "Interpolation of Little Lipschitz Functions." Nik Weaver, asst. prof. of mathematics. Room 199 Cupples I Hall. 935-6301.

3:30 p.m. Macro economics seminar. "Money, Credit and the Cyclical Behavior of Household Investment." Victor Li, Pa. State U. Co-sponsored by the Center for the Study of American Business and the economics dept. Room 300 Eliot Hall. 935-5658.

4 p.m. Biology seminar. "Evolution of Patterning Mechanisms in Plants." Scott Poethig, prof. of biology, U. of Pa. Room 322 Rebstock Hall. 935-6812.

4 p.m. Immunology Research Seminar Series. "Location, Location, Location in T Cell Recognition and Migration (Topology of Lymph Node and Topology of Molecules in Vicinity of CD3 Activation)." Stephen Shaw, Experimental Immunology Branch, National Cancer Institute, NIH. Eric P. Newman Education Center. 362-2763.

Tuesday, Feb. 24

4 p.m. Assembly Series lecture. The William C. Ferguson Memorial Lecture. "Back to Mars." Laurence Soderblom, research staff member, astrogeology program, U.S. Geological Survey. Steinberg Aud. 935-5285.

4 p.m. Biology seminar. Faculty Search Candidate Seminar Series. "Maintenance of Diversity Within Plant Communities: A Role for the Soil Community?" James Bever, ecology and evolution department, U. of Chicago, and candidate for ecologist/evolution of developmental mechanisms faculty position. Room 322 Rebstock Hall. 935-6706.

4 p.m. Molecular microbiology lecture. Brennecke Lecture Series. "Novel Approaches to Identify Bacterial Virulence." Stanley Falkow, prof. of microbiology and immunology, Stanford U. Moore Aud., 660 S. Euclid Ave. 747-2630.

Wednesday, Feb. 25

6:30 a.m. Anesthesiology Grand Rounds. "Comparative Anesthesia." John Dodam, U. of Mo.-Columbia College of Veterinary Medicine. Wohl Hospital Bldg. Aud., 4960 Children's Place. 362-6978.

8 a.m. Obstetrics and Gynecology Grand Rounds. "Evidence-based Medicine in Ob/Gyn: The Paradigm for the Next Century." David A. Grimes, director for medical affairs, Family Health International, Research Triangle Park, N.C. Clopton Aud., 4950 Children's Place. 362-7139.

1 p.m. Biology seminar. Faculty Search Candidate Seminar Series. "Ecological and Evolutionary Dynamics Within Plant-Mycorrhizal Fungal Mutualism." James Bever, ecology and evolution dept., U. of Chicago, and candidate for ecologist/evolution of developmental mechanisms faculty position. Room 212 McDonnell Hall. 935-6706.

3:45 p.m. Physics colloquium. "Origin of the Solar System: The Story as Told by Presolar Grains." Gary R. Huss, geological and planetary sciences div., Calif. Institute of Tech., Pasadena. Room 204 Crow Hall. 935-6252.

Thursday, Feb. 26

4 p.m. Biology seminar. Faculty Search Candidate Seminar Series. "The Evolution of Body Patterning." Mike Palopoli, Howard Hughes Medical Institute, U. of Chicago, and candidate for ecologist/evolution of developmental mechanisms faculty position. Room 322 Rebstock Hall. 935-6706.

4 p.m. Chemistry seminar. "ac Susceptibility Studies of Molecular Magnetic Materials." Gordon Yee, U. of Colo.-Boulder. Room 311 McMillen Lab. 935-6530.

4 p.m. Earth and planetary sciences colloquium. "Fluvial Systems in Mountain Belts and Foreland Basins: An Alpine-Himalayan Perspective." Trevor Elliott, the George Herdman Professor of Geology and AAPG Distinguished Lecturer, U. of Liverpool, U.K. Room 112 Wilson Hall. 935-5610.

4:15 p.m. Philosophy colloquium. "Actions, Norms and Practical Reasoning." Robert Brandom, prof. of philosophy, U. of Pittsburgh. Room 110 January Hall. 935-6670.

Friday, Feb. 27

9:15 a.m. Pediatric Grand Rounds. "Pathogenesis of Allergic Diseases." Talal A. Chatila, assoc. prof. of pediatrics and of pathology. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell biology and physiology seminar. "Intracellular Transport and Localization of RNA." Robert H. Singer, anatomy and structural biology dept., Albert Einstein College of Medicine, N.Y. Room 426 McDonnell Medical Sciences Bldg. 362-2713.

1 p.m. Biology seminar. Faculty Search Candidate Seminar Series. "From Stalked Eyes to Troglomorphs: Comparative Molecular Embryology and Beyond." Mike Palopoli, Howard Hughes Medical Institute, U. of Chicago, and candidate for ecologist/evolution of developmental mechanisms faculty position. Room 212 McDonnell Hall. 935-6706.

Saturday, Feb. 28

11 a.m. University College Saturday Seminar Series. "Taipei, Taiwan: Ethnic Identity in a City Landscape." Joseph R. Allen, assoc. prof. of Asian and Near Eastern languages and literatures. Goldfarb Aud., McDonnell Hall. 935-6788.



Music

Thursday, Feb. 19

7 p.m. Assembly Series performance. "A Musical Conversation." The Eliot Trio: Seth Carlin, piano; David Halen, violin;

and John Sant'Ambrogio, cello. Steinberg Aud. 935-5285.

Friday, Feb. 20

8 p.m. Chamber Choir of WU with SLU Chorale concert. Music from the Renaissance to the 20th Century. Graham Chapel. 935-4841.

Sunday, Feb. 22

3 p.m. Faculty recital. Program: Beethoven, Medtner, Suk and Debussy. Elizabeth Macdonald, cello, and Hugh Macdonald, piano. Brown Lounge, Brown Hall. 935-4841.



Performances

Thursday, Feb. 19

8 p.m. Performing arts dept. production. "Savage in Limbo." (Also Feb. 20 and 21, same time). Cost: \$10; \$7 for students, faculty, staff and senior citizens. A.E. Hotchner Studio Theatre, Mallinckrodt Center. 935-6543.

Saturday, Feb. 21

8 p.m. "OVATIONS!" Series performance. "Fires in the Mirror: Crown Heights, Brooklyn and Other Identities." Trinity Repertory Company. (Also Feb. 22, 2 p.m.) Co-sponsored by St. Louis Hillel Center. Cost: \$23; discounts available. Edison Theatre. 935-6543.

Wednesday, Feb. 25

11 a.m. Assembly Series lecture/demonstration. CS40 Lecture. Twyla Tharp, modern dancer. Edison Theatre. 935-5285.

Saturday, Feb. 28

8 p.m. "OVATIONS!" Series performance. "THARP!" Three new works by modern dancer Twyla Tharp. (Also March 1, 2 and 7 p.m.) Co-sponsored by Dance St. Louis. Cost: \$23. Edison Theatre. 935-6543.



Miscellany

Thursday, Feb. 19

7:30 p.m. Feminist reading group. Discussion of Gloria Anzaldúa's book "Borderlands/La Frontera: The New Mestiza" and related articles from "Hyparia." Open to grad. students and faculty. Levi Lounge, Room 220 Busch Hall. 935-5102.

Friday, Feb. 20

11:30 a.m. Toastmasters meeting. WU's Toastmasters for Oratorical Readiness. Open to university faculty, staff and students. Room 241 Compton Hall. 362-4925.

8 p.m. Costume ball. "Art of the '80s Costume Ball." Sponsored by the Student Gallery Group. Gallery of Art. 935-4523.

Saturday, Feb. 21

9:30 a.m. Saturday Workshop. "Pyramids, Papyrus and Paper." Charlotte Johnson speaks on papermaking in Egypt. Cost: \$5. To register, call 935-4643.

Wednesday, Feb. 25

Noon. Ash Wednesday ecumenical service. Graham Chapel. 725-3358.

5:15 p.m. Ash Wednesday mass. Catholic Student Center, 6352 Forsyth. 725-3358.

Thursday, Feb. 26

1 p.m. Writing Center workshop. "Writing a Resume." Co-sponsored by the Career Center. Room 252 Olin Library. 935-4981.

Saturday, Feb. 28

9 a.m. Saturday Workshop. "Basic Book-binding." Learn how to make a traditional handsewn hard-bound blank book. Cost: \$40. To register, call 935-4643.

Domestic violence is focus of lectures at medical school

Domestic Violence: Basics and Beyond, a four-day lecture series, will be held Monday, Feb. 23, through Friday, Feb. 27, on the Medical Campus. The series is presented by the Domestic Violence Action Program, a School of Medicine student organization.

The series aims to increase awareness of domestic violence and to promote treatment and prevention, said Denise Flinn, a medical student and a coordinator of the event. "For a long time, people thought of domestic violence as a private family problem," Flinn said. "But we're realizing now that we have to address it."

The lectures, which are free and open to the public, begin at noon in Moore Auditorium unless otherwise noted and include:

- Monday, Feb. 23 — "Introduction and Basic Information" presented by Carolyn Haase, M.D., assistant professor of medicine.
 - Tuesday, Feb. 24 — "Medical Recognition and Response" by Sue Dersch, coordinator for Assisting Women with Advocacy Resources and Education (AWARE), a Barnes-Jewish Hospital program that helps connect victims of abuse with advocates.
 - Wednesday, Feb. 25 — "Why Men Batter: Theory and Intervention" by Jim Read, program coordinator, Alternatives to Violence and Abuse.
 - Thursday, Feb. 26 — "Defending Our Lives," a 1994 Academy Award-winning documentary film about four Boston-area women imprisoned for killing their batterers.
 - Thursday, Feb. 26 — "After the Diagnosis: The Physician's Role in Community Responses to Domestic Violence," a panel discussion with Ed Postawko of the St. Louis City Circuit Attorney's Office; Katie Wessling from Legal Advocates for Abused Women; Jane Aiken, J.D., professor at the School of Law; and Michelle Schiller-Baker of St. Martha's Hall. The discussion will be held at 5:30 p.m. at the Olin Extension in Olin Residence Hall (reservations required).
 - Friday, Feb. 27 — "Expecting the Unexpected: Clinical Presentations of Domestic Violence" by David Lickerman, M.D., associate director of Emergency Medical Services, Christian Hospitals.
- For more information, call 361-5092.



Choreographer Twyla Tharp brings her new production "THARP!" — three works in three distinct styles — to the Edison Theatre Feb. 28 and March 1.

Dance pioneer Twyla Tharp to speak, perform here

Modern dance pioneer Twyla Tharp comes to Washington University this week for a lecture/demonstration and a trio of full-scale company performances.

The lecture, part of the Assembly Series, takes place at 11 a.m. Wednesday, Feb. 25, in Edison Theatre.

Tharp also will present the St. Louis premiere of her new production, "THARP!" as part of Edison Theatre's OVATIONS! Series. The performances

are co-sponsored by Edison Theatre and Dance St. Louis and take place at 8 p.m. Feb. 28 and at 2 and 7 p.m. March 1.

One of this century's best-known choreographers, Tharp sees dance as "a celebration of human movement" and a primary activity in both art and life. Her presentation will combine lecture, solo dance and open dialogue with the audience to communicate the simple message that "if you can move, you can dance."

"THARP!" consists of three new works in three distinct styles. "Sweet Fields," set to Shaker hymns and American choral music, explores the spirituality expressed in 18th- and 19th-century American music. The "bachelor pad" music of Esquivel and Dean Martin, among others, sets the stage for "66," Tharp's tribute to the Beat sensibility and the spirit of the American highway. For "Heroes," Tharp's first collaboration with composer Philip Glass since their classic "In the Upper Room," the entire cast of 14 dancers takes the stage for a musical response to the legendary David Bowie-Brian Eno album of the same name.

Since founding her first company in 1965, Tharp has created one of the most prodigious bodies of work in modern dance history. Her work has included conceptual pieces for major ballet companies and original choreography for television, Broadway and Hollywood films. She is widely regarded as having created a bridge between ballet audiences and popular culture enthusiasts through her collaborations with artists as varied as Mikhail Baryshnikov, Jerome Robbins, director Milos Forman and David Byrne.

The Assembly Series lecture is made possible in part by the Congress of the South Forty and the Washington University Society of the Arts. The presentation of "THARP!" is made possible in part by the Mid-America Arts Alliance, the Missouri Arts Council and the National Endowment for the Arts.

All tickets are \$23 and are available at the Edison Theatre box office, 935-6543, the Dance St. Louis box office, 534-6622, and through MetroTix, 534-1111. For more information about the Assembly Series lecture, call 935-5285. For more information about the OVATIONS! Series performances, call 935-6543.

Sports

Compiled by Mike Wolf, asst. athletic director for media relations, and Kevin Bergquist, asst. director, sports information. For up-to-date news about Washington University's athletics program, access the Bears' Web site at rescomp.wustl.edu/~athletics/.

Men cagers try for 14th straight winning season

After its seven-game unbeaten streak ended with a 55-52 loss at Carnegie Mellon University Friday, Feb. 13, the men's basketball team resumed its winning ways with a 79-69 triumph at Emory University Sunday, Feb. 15. Senior forward Chris Heidbrink led the Bears with a career-high 22 points. The victory assured another winning campaign in University Athletic Association (UAA) play. They need just one more victory in their final three home games to secure a school-record 14th straight winning season.

Current Record: 12-10 (8-3 UAA)

This Week: 8 p.m. Friday, Feb. 20, vs. Brandeis University (UAA), WU Field House; 1 p.m. Sunday, Feb. 22, vs. New York University (UAA), WU Field House.

Women hoopsters reach 20 wins; streak ends

The University's second-ranked women's basketball team split a pair of road games, but the Bears remain atop the UAA standings. The Bears reached the 20-win plateau for the eighth time in nine years Friday, Feb. 13, with a 73-43 victory at Carnegie Mellon University. Two days later, despite a double-double (14 points, 13 rebounds) performance from sophomore center Alia Fischer, the Bears lost their first NCAA Division III contest of the season at Emory University,

65-50. Washington U., still leading the conference by one-half game over NYU, hosts Brandeis University Friday at the WU Field House before a first-place showdown with NYU Sunday, Feb. 22.

Current Record: 20-2 (10-1 UAA)

This Week: 6 p.m. Friday, Feb. 20, vs. Brandeis University (UAA), WU Field House; 3 p.m. Sunday, Feb. 22, vs. New York University (UAA), WU Field House.

Track and field squads top six school records

The track and field teams set six school records Saturday at the Augustana College Invitational, including two by junior sprinter Claudine Rigaud (55 hurdles, 300 meters). Junior Eileen McAllister broke her own school record in the 1,500 meters and set an NCAA Division III provisional qualifying time (4 minutes, 45.06 seconds) in the process. Junior Emily Richard also posted an NCAA provisional qualifying time in the 1,500, placing third with a time of 4:45.09. Junior Chris Adams ran the 300-meter dash in 37.09 seconds, breaking Russ Chambliss' school record of 37.50 seconds set last season.

This Week: 2 p.m. Friday, Feb. 20, at SIU-Carbondale Saluki/USA Open, Carbondale, Ill.; 9 a.m. Saturday, Feb. 21, at University of Missouri Open, Columbia, Mo.

Mars missions to be featured in lecture

Laurence Soderblom, astrogeologist and expert on the planet Mars, will deliver the William C. Ferguson Memorial Lecture, titled "Back to Mars," at 4 p.m. Tuesday, Feb. 24, as part of the Assembly Series. Soderblom, a scientific investigator for both the Mars Pathfinder and the Mars Global Surveyor, will discuss the overall plans for these missions. The lecture will take place in Steinberg Hall Auditorium.

Soderblom is a research staff member with the astrogeology program of the U.S. Geological Survey in Flagstaff, Ariz. For the past 25 years, he has either led or been involved with many NASA solar system explorations. He has chaired and served on numerous exploration planning and advisory committees. Soderblom also has participated in many NASA planetary exploration missions, including Mars Mariners 6, 7 and 9, Viking, Voyager, Magellan, Galileo, Cassini and New Millennium Deep Space 1. He has been involved in the Athena rover investigation for the Mars 2001 mission.

The U.S. Mars exploration program will be under way for some years. Beginning with the Mars Pathfinder that

landed in summer 1997 and the orbital operations last fall of the Mars Global Surveyor, the NASA Mars program is to launch two spacecraft every "Mars opportunity" — 26 months — until 2005.

The lecture is free and open to the public. For more information, call 935-5285.

Faculty recital offers piano, cello music

The Department of Music in Arts and Sciences will present a faculty recital featuring pianist Hugh Macdonald, Ph.D., chair and professor of music, and cellist Elizabeth Macdonald, director of strings, at 3 p.m. Sunday, Feb. 22, in Brown Lounge in Brown Hall.

The program will include Ludwig van Beethoven's "Cello Sonata in C Major, Op. 102, No. 1"; Nikolai Medtner's "Two Tales for Piano, Op. 8"; Josef Suk's "Ballade and Serenade, Op. 3, for Cello and Piano"; and Claude Debussy's "Sonata for Cello and Piano."

The concert is free and open to the public. For more information, call 935-4841.



Becky London (seated) and Barbara Meek star in Trinity Repertory Company's "Fires in the Mirror," which brings its compelling account of race relations in the 1990s to Edison Theatre Saturday and Sunday, Feb. 21 and 22.

'Fires in the Mirror' provides compelling drama at Edison

Rappers and rabbis, Orthodox teachers and Brooklyn housewives, Angela Davis and the Rev. Al Sharpton — these are just a few of the characters who will command the Edison Theatre stage when the Trinity Repertory Company brings Anna Deavere Smith's compelling drama "Fires in the Mirror: Crown Heights, Brooklyn and Other Identities" to the University Saturday and Sunday, Feb. 21 and 22.

The performances, which are co-sponsored by the OVATIONS! Series and the St. Louis Hillel Center, are at 8 p.m. Saturday, Feb. 21, and 2 p.m. Sunday, Feb. 22.

Part drama, part documentary, part community theater, "Fires in the Mirror" tells the story of a tragic 1991 accident that set off a conflict between African Americans and Hasidic Jews in the Crown Heights neighborhood of Brooklyn, N.Y. A driver in the entourage of the Lubavitcher Hasidic Rebbe (spiritual leader of a particularly insular Orthodox Jewish sect) struck and killed 7-year-old Gavin Cato. The accident sparked four days of rioting and led to the murder of 29-year-old Yankel Rosenbaum, a Hasidic scholar from Australia.

Smith, whose work aims "to find American character in the ways people speak," conducted more than 100 interviews with people affected by the incident and allows the story to unfold through the interwoven monologues of 26 finely etched, real-life characters.

Both performances will be followed by post-show discussions. On Saturday, Rod Goldberg, director of the St. Louis Hillel Center, will lead a discussion on "Challenging Your Reflection," featuring Rabbi Yosef Landa, a leader of St. Louis Lubavitchers and a former resident of Crown Heights; Baptist Minister Harvey Fields; David Warren, St. Louis-area director of the Anti-Defamation League; writer Shelly Fredman; and students Cynthia Weinger and Robin Terry.

Sunday's post-show discussion, titled "The Media's Role in Black/Jewish Relations," will be moderated by Robert Cohn, editor of the St. Louis Jewish Light and president of the Press Club of Metropolitan St. Louis, and will

feature Greg Freeman, columnist for the St. Louis Post-Dispatch; Ray Hartmann, publisher of the Riverfront Times; and Leslie Drozen, editor of the University's Jewish student publication The Scroll.

Frank Rich, former drama critic for The New York Times, called the play "quite simply the most compelling and sophisticated view of urban racial and class conflict that one could hope to encounter." The play was awarded a Special Citation Obie. It was a finalist for the Pulitzer Prize in Drama and, in 1993, was produced for the PBS series "American Playhouse."

Under the direction of Brian Kulick, the Trinity Repertory Company's production debuted in 1996 and stars Barbara Meek and Becky London. Trinity Repertory, founded in 1964, is one of the most respected regional theaters in the United States. Under the direction of Oskar Eustis, the Rhode Island-based company produces a mix of world-premiere, contemporary and classic works. From their roots in the basement of Providence's Trinity Square Methodist Church, the company has grown into Rhode Island's largest arts organization, employing more than 130 artistic and administrative staff.

Currently an associate professor of drama at Stanford University, Smith is the recipient of a MacArthur Foundation grant, two Obie awards, two Drama Critics Circle awards and two Tony Award nominations. "Fires in the Mirror" is part of her continuing project "On the Road: A Search for American Character," a series of more than a dozen shows that also includes "Twilight: Los Angeles 1992," a profile of the rioting that erupted after the acquittal of the police officers accused of beating Rodney King. In addition to her theatrical work, Smith has appeared in the films "Dave," "Philadelphia" and "The American President."

Tickets are \$23 for the general public. Call for discounts. Tickets are available at the Edison Theatre box office, 935-6543, and through MetroTix, 534-1111. For more information, call 935-6543.

Curators concerned about loans — from page 1

Jean Arp, Lyonel Feininger, El Lissitzky and Kurt Schwitters. He also was directly responsible for the expatriation of a large number of pre-war masterpieces. It's really the stuff of spy thrillers."

Ketner is heartened by recent actions on the part of the Association of Art Museum Directors (AAMD), an organization made up of the heads of 170 art museums, which convened a task force to develop guidelines for the resolution of ownership claims. Still, he remains doubtful there is an easy solution.

"The AAMD's intentions are excellent because we need some sort of clear-cut policy," Ketner said, pointing out that American institutions generally have been quicker to act on the issue than their European counterparts. But Ketner warned that such a policy "may prove nearly impossible to draft because of the myriad of different ways in which works came to leave Germany. Many objects were simply looted and sold for mercenary reasons, but others were spirited out of the country in order to safeguard them."

An example of the latter case is provided by Ketner's uncle. Born in Koenigsberg, Germany, in 1893, Alexander Dornier was very much the traditional German aristocrat, Ketner recalled. "He had a deep fencing scar on his left cheek that he was quite proud of; he always insisted that his photograph be taken from the left side," Ketner said.

But Dornier was also an outspoken proponent of some of the most challenging art of his day. The author of a highly influential treatise on modern art installation, Dornier collaborated with Lissitzky on the Landesmuseum's famous "Abstraktes Kabinett," a groundbreaking exhibition space that was called "the most important room of 20th-century art" by Dornier's

friend and contemporary Alfred Barr, MOMA's long-time, pioneering director.

Dornier also was directly responsible for spiriting dozens of modern works out of Germany. Once, parting company after a dinner party one clear evening, Dornier insisted that Barr take Dornier's umbrella. A puzzled Barr acquiesced, later to discover that an unstretched landscape by the expressionist painter Ernst Ludwig Kirchner had been hidden in the lining. In another example, Dornier and Barr again used the umbrella ruse to help MOMA acquire several paintings and drawings from a Landesmuseum show.

But as Nazi influence grew throughout the mid-1930s, Dornier's position became increasingly tenuous. Things reached a head one afternoon in 1937 when a friend working in the Nazi "Kulterkammer," then responsible for overseeing the country's cultural affairs — and for rooting out "degenerate art" and its supporters — warned Dornier that he was about to be arrested. The seasoned expatriator expatriated himself, fleeing to London and, shortly afterward, to the United States, where he became director of the Rhode Island School of Design Museum.

Given this family history, Ketner's keen interest in the issue comes as little surprise, but he pointed out that the implications of expatriation, taken in their largest sense, are potentially staggering for the museum world.

"Historically, many major European museums were built on the spoils of war," he said. "Are the French prepared to return Napoleon's plundered Egyptian treasure? Will the English return the Parthenon frieze to Greece? It's an extremely difficult and complex issue."

— Liam Otter

Science historian warns of eugenics — from page 1

with such problems or behaviors. Thus he is concerned that the climate is ripe for a "repackaged" form of eugenics in American society, one that will attempt to use gene therapy or drugs to alter behavior, as eugenicists used sterilization to control social problems.

"Seventy-five years ago, eugenicists classified problems such as feeble-mindedness, alcoholism, prostitution, unruliness and even thalassophilia as inherited traits," Allen said. "The trend today is to 'medicalize' behaviors such as criminality or alcoholism by lumping a whole array of behaviors into one category, giving them clinical names — for instance, attention deficit hyperactive syndrome, ADHD — making them sound like scientific judgments and then proposing medical or biological treatments."

"Biological explanations for social behaviors take the blame away from an individual's social circumstances — from family, community and society at large — and relocate it in the inherent makeup of the individual," he went on. "An understanding of the economic, social and political context in which the old eugenics movement developed provides some insights into the present 'movement' — if

we can call it that — to medicalize and geneticize our social behavior."

According to Allen, the old eugenics arose out of turbulent economic and social conditions and three strands of thought in Western society early in the century:

- the Christian doctrine of original sin, which implies that we inherit the defects of our ancestors;
- individualism, which focuses on the individual as the basic unit of society and thus of social responsibility; and
- scientism, the belief that science can provide concrete and rational answers to human social and behavioral problems.

"It is possible today that genetic arguments are creating a similar climate of opinion found earlier in this century in which social problems are viewed as medical problems originating from genetic defects in individuals, treatable by gene therapy or behavior-modifying drugs," he said. "With our present strong emphasis on being 'efficient' by reducing the cost of health care and other social benefits, we run the risk of turning human needs into problems of cost-benefit analysis."

The Sarton Lecture was established in 1956 and is jointly sponsored by AAAS and the History of Science Society. It is considered the most prominent history of science lecture given annually. Sarton was influential in developing the history of science as an academic discipline and is credited with helping form Harvard's history of science department.

— Tony Fitzpatrick



Garland E. Allen

syndrome, ADHD — making them sound like scientific judgments and then proposing medical or biological treatments.

"Biological explanations for social behaviors take the blame away from an individual's social circumstances — from family, community and society at large — and relocate it in the inherent makeup of the individual," he went on. "An understanding of the economic, social and political context in which the old eugenics movement developed provides some insights into the present 'movement' — if

Campus Watch

The following incidents were reported to the University Police Department from Feb. 9–15. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This release is provided as a public service to promote safety awareness and is available on the University Police Web site at <http://rescomp.wustl.edu/~wupd>.

Feb. 10

3:30 p.m. — A student reported receiving e-mail from an Israeli radio station complaining about harassing e-mail sent from the student's account. An investigation continues.

Feb. 11

1:05 p.m. — A student reported the theft of a modem from a computer lab in Anheuser-Busch Hall between 11 p.m. Tuesday and

11 a.m. Wednesday.

Feb. 13

2:08 a.m. — A Marriott employee reported the theft of 10 wooden bar stools, valued at \$1,150, from the Umrathskellar in Umrath Hall between 10 p.m. Thursday and 2 a.m. Friday.

University Police also responded to two additional reports of theft, three reports of vandalism and two reports of harassment.

Nancy Pope appointed assistant dean of Graduate School of Arts and Sciences

Nancy P. Pope, Ph.D., a lecturer in the Department of English in Arts and Sciences, has been appointed assistant dean of the Graduate School of Arts and Sciences, announced Dean Robert E. Thach, Ph.D.

Pope will become coordinator of the University's Mr. and Mrs. Spencer T. Olin Fellowship Program for Women in Graduate Study when Margaret Watkins retires in June 1998. The Olin Fellowship Program was established by the Monticello College Foundation to bring outstanding women to Washington



Nancy P. Pope

University to pursue careers in higher education or the professions. An annual conference is held on campus to honor past and present fellowship recipients.

"We are delighted to have Nancy Pope join the graduate school staff," Thach said. "I can think of no better person to

assume leadership of the Mr. and Mrs. Spencer T. Olin Fellowship Program."

Pope's other responsibilities as assistant dean include serving as dissertation and thesis preparation adviser to graduate students and as coordinator of the Hooding and Recognition Ceremony at Commencement.

Pope, who received a bachelor's degree in medieval studies from Brown University in 1973, began her graduate studies in comparative literature in Arts and Sciences at Washington University in 1974 as a member of the first class of Olin Fellows. She earned a master's degree in 1976 and a doctorate in 1982 from the University.

She has been a lecturer in the English department since 1983. Pope also has taught at Illinois College and Webster University, where she was coordinator of the Writing Center from 1993 to 1997.

At Washington University, Pope has received the Dean's Faculty Award for Teaching in University College in 1988 and the Council of Students of Arts and Sciences Teaching Award in 1996. She also has coordinated several Olin conferences.

Obituaries

Arnold Dankner, associate professor of medicine

Arnold Dankner, M.D., associate clinical professor of medicine at the School of Medicine, died of cancer Friday, Feb. 6, 1998, at his home in Clayton. He was 72.

Dankner joined the medical school in 1950 as a research fellow in allergy and became a fellow in clinical allergy later that year. In 1953, he became an assistant in clinical medicine and then an instructor the following year. He was promoted to assistant professor in 1975 and associate professor in 1981.

An allergist and internist in private practice since 1953, Dankner was on the staff at St. Luke's Hospital, St. John's Mercy Medical Center, the former

Barnes and Jewish hospitals and Barnes-Jewish West County Hospital. He was also chief of the allergy department at Jewish Hospital.

A St. Louis native, Dankner earned a bachelor's degree from Washington University, from which he also received a medical degree in 1947. He served as a captain in the U.S. Air Force.

Among the survivors are his wife of 52 years, Jackie Dankner; a son, Rand E. Dankner, M.D., also associate clinical professor of medicine at the medical school, of Ladue; a daughter, Felice Lowenbaum of Clayton; a sister, Honey Grosberg of Creve Coeur; and four grandchildren.

Bernard Hulbert, emeritus professor of medicine

Bernard Hulbert, M.D., assistant clinical professor emeritus of medicine at the School of Medicine, died of cancer Thursday, Feb. 5, 1998, at Missouri Baptist Medical Center. He was 80 and lived in Olivette.

Hulbert joined the medical school in 1949 as an assistant in clinical medicine. In 1951, he was promoted to instructor, then to assistant professor in 1974. He received emeritus status in 1995.

An internist in private practice for 47 years, Hulbert was on the staff of Missouri Baptist Medical Center and the former Barnes and Jewish hospitals. He was a past vice president of the

medical staff at the former Jewish Hospital.

Hulbert, a native of Racine, Wis., earned undergraduate and medical degrees from the University of Wisconsin at Madison. He served in the U.S. Army Reserve from 1940 to 1942 and in the U.S. Army Medical Corps from 1942 to 1946, attaining the rank of major.

Among the survivors are his wife, Gertrude Kessler Hulbert; a daughter, Laura R. Hulbert, M.D., instructor in clinical obstetrics and gynecology at the medical school, of Creve Coeur; a son, Don Kessler of New York; a brother, David Hulbert of Racine; and two grandchildren.

Willard Scrivner, emeritus ob/gyn professor

Willard C. Scrivner, M.D., assistant clinical professor emeritus of obstetrics and gynecology at the School of Medicine, died after a long illness Saturday, Feb. 7, 1998, at Memorial Hospital in Belleville, Ill. He was 91 and lived in Belleville.

Scrivner joined the medical school in 1934 as assistant in clinical obstetrics and gynecology and was promoted to clinical instructor in 1942. He became an assistant clinical professor in 1956, an assistant clinical professor emeritus in 1975 and retired from practice in 1984.

He delivered an estimated 18,000 babies in 60 years of practice in St. Clair County. Scrivner was a past president of the Illinois State Medical Association and the St. Clair County Medical Association. He also had served as president of the Illinois Medical Disciplinary Commission.

Last October, he formed the Public Health Foundation to deal with issues such as teen pregnancy, inadequate parenting,

violence and abuse, safety and health education, drug abuse and access to health care.

Scrivner earned a bachelor's degree in 1926 and a medical degree in 1930, both from Washington University.

He is survived by his wife of 67 years, Ruth Scrivner; two sons, Roger M. Scrivner of Belleville and Peter C. Scrivner of Washington; and six grandchildren.

A funeral for Scrivner was held Feb. 11.

Howard Kee, formerly of sports information

Howard Kee, who served as Washington University's sports information coordinator from 1981 to 1984 and was a fixture in the St. Louis and national bowling communities, died in a three-car accident Monday, Feb. 9, 1998, in Franklin County. He was 69.



Young artists on exhibit

More than 200 young painters, sculptors and other artists from 40 high schools in the St. Louis region are showing their work this month in the School of Art's 25th annual High School Art Competition. Juried by artist Bob Hansman, assistant professor in the School of Architecture, the Bixby Gallery show runs through Sunday, Feb. 22.

For The Record

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

Of note

Philip M. Barger, M.D., postdoctoral fellow in medicine, has received a four-year \$260,000 grant from the American Heart Association for a project titled "Characterization of a Metabolic Gene Regulatory Pathway Induced During Cardiac Hypertrophy." ...

Garima Bhatia, a doctoral candidate in the Department of Chemical Engineering, received the Professors' Choice Award for her research presentation, titled "Building a Pollution Prevention Toolbox for the Batch Charcoal Kiln Industry: Modeling the Slow Pyrolysis of Wood," at the second annual Mid-America Environmental Engineering Conference, held at the University of Missouri in Columbia. ...

Cancer specialists from the School of Medicine's **Department of Obstetrics and Gynecology** presented eight papers at the annual meeting of the Society of Gynecologic Oncologists held in Orlando, Fla. The total represents an all-time high for a single academic department. The meeting, which ran from Feb. 7-11, hosted nearly every board-certified gynecologic oncologist in the United States.

On assignment

Milica Banjanin, Ph.D., professor and chair of the Department of Russian in Arts and Sciences, chaired a panel on "Voices From the Periphery: Futurism and Formalism" and delivered a paper titled "Looking In, Looking Out: Framing the City" at a panel on "Reflection, Refraction and Spectacle in Russian Literature and Art" at the 1997 national convention of the American Association for the Advancement of Slavic Studies held in Seattle. ...

The interactive carvings of **Doyle Cozadd**, documents coordinator and technical support technician in the International Office, were recently featured in a calligraphy session of the 1997 International Yan Xin Qigong Practice and Research Conference held in New York. ...

David M. Holtzman, M.D., assistant professor of neurology and of molecular biology and pharmacology, has accepted an

invitation to serve as a reviewer for the Neurological Sciences I Study Section at the National Institutes of Health (NIH). Study sections review grant applications, make recommendations on these applications to the appropriate NIH national advisory council or board and survey the status of research in their fields of science. ...

David W. Marchant, artist in residence in the Performing Arts Department in Arts and Sciences, performed his recent dance work, "Losing History," at the Grandell Theater in St. Louis and at the Merce Cunningham Studio Performance Space in New York. The performance was directed by Angela Culbertson, an alumna of the dance department.

Speaking of

Susan M. Binzer, coordinator and rehabilitative audiologist, and **Timothy A. Holden**, research assistant, both in the Department of Otolaryngology, presented a poster, "Use of the Communication Profile for the Hearing Impaired in a Cochlear Implant Population," at the 1997 Conference on Implantable Auditory Prostheses held in Pacific Grove, Calif. ...

Mary-Jean Cowell, Ph.D., coordinator of the dance program in the Performing Arts Department in Arts and Sciences, presented a paper titled "Michio Ito in Hollywood: Modes and Ironies of Ethnicity" at the annual Congress on Research in Dance conference held in Tucson, Ariz.

To press

David L. Kirk, Ph.D., professor of biology in Arts and Sciences, recently had a book titled "Volvox: Molecular-Genetic Origins of Multicellularity and Cellular Differentiation" published by Cambridge University Press. The book focuses primarily on the role of Volvox in the evolutionary process. ...

Richard A. Watson, Ph.D., professor of philosophy in Arts and Sciences, recently had two books published by Southern Illinois University Press. "Good Teaching: A Guide for Students" explains how to survive and how to profit from and enjoy the college experience. "Writing Philosophy" is a frank and unidealized account of the situation in professional philosophy and the relationship that publishing has to success in the field.

Opportunities & personnel news

Hilltop Campus

Information regarding these and other positions may be obtained in the Office of Human Resources, Room 130, at West Campus. Job openings may be accessed via the World Wide Web at cf6000.wustl.edu/hr/home. If you are seeking employment opportunities and are not currently a member of the Washington University staff, you may call our information hotline at 935-9836. Staff members may call 935-5906.

Contract and Grant Coordinator 980202. School of Social Work. Requirements: bachelor's degree with accounting background; experience with funded research and administration and with federal governmental agencies and foundations; experience with Washington University grants budgeting submission preferred; PC word processing and spreadsheet skills and the ability to organize and work under pressure during grant deadline period; strong communication and interpersonal skills. Responsibilities include coordinating all grant and grant budget administration, ensuring application guidelines are followed and processing grant accounting for the School of Social Work.

Departmental Accountant 980203. Physics. Requirements: bachelor's degree preferred; working knowledge of WU systems, including FIS, Focus, Perspay, GBUD; extensive experience with complex spreadsheets; flexibility to use either a Mac or PC; willingness to learn new skills as required; ability to work in a fast-paced environment with constantly changing priorities; ability to work with a diverse population of contacts including those whose

first language is not English; skills working in a team environment and independently; self-motivated and self-starter.

Manager, Administration and Recruiting 980204. Business School. Requirements: bachelor's degree preferred; seven or more years secretarial and office management experience; three years supervisory experience; PC literacy, Microsoft Excel and Powerpoint preferred; demonstrated ability to manage people and processes; interpersonal communication skills; ability to work independently and effectively with diverse population; problem-solving skills; ability to organize, generate and implement ideas; ability to prioritize workload and to delegate work among staff; ability to handle multiple projects simultaneously, to work with minimal supervision, to function in fast-paced environment and to produce high-quality work with speed and accuracy. Responsibilities include supervising department's non-professional staff.

Proposal/Profile Senior Specialist 980206. Accounting Services. Requirements: some college, bachelor's degree preferred; ability to read, understand, interpret and communicate agency guidelines; ability to work in a network system; ability to write reports in a fourth-generation database language such as Focus or Crystal; ability to work independently with a high degree of reliability; good interpersonal skills. Decisions made in this position have a Universitywide impact relative to all grant and contracted proposals administered.

Coordinator, Programming and All Campus Events 980207. Student Activities. Requirements: graduate degree in student affairs; thorough grounding in student development theory; experience with campus programming, entertainment industry and student group advisement; experience with large and

small concert production; excellent organizational and communication skills; energy, creativity, flexibility and willingness to work nights and weekends; high tolerance for ambiguity and openness to change; team player with collaborative style; ability to build coalitions.

Administrative Assistant 980209. Jewish and Near Eastern Studies. Requirements: some college or relevant experience required, bachelor's degree preferred; familiarity with MS Word, Excel and Access preferred; typing skills, 50 wpm; ability to meet public in a pleasant and professional manner and to work with faculty, staff and students; ability to work with people from diverse cultural backgrounds; ability to prioritize multiple projects; excellent verbal and written skills; educational and not-for-profit experience preferred. Responsibilities include providing clerical support to Jewish and Near Eastern Studies, as well as Islamic Studies. This is a 10-month appointment.

Coordinator, Greek Affairs 980210. Student Activities. Requirements: master's degree in higher education and student affairs; two to three years working with the Greek community; experience in fraternity/sorority affairs and advising student organizations and individual students; leadership training and organizational development; membership in a Greek organization preferred; energy, creativity; excellent organizational and oral and written communication skills; high tolerance for ambiguity and openness to change.

Residential College Director 980211. Housing and Residential Life. Requirements: bachelor's degree, master's degree in higher education or related field preferred; ability to communicate effectively with students, faculty, administrators and parents; initiative;

creativity; enthusiasm; commitment; excellent program coordination skills; ambitious; responsible; and able to work effectively both as a member of a team and independently. Special consideration given to those with residence hall and student affairs experience.

Administrative Assistant (part time) 980214. Business School. Requirements: high school diploma; five years secretarial or administrative assistant experience, university experience preferred; thorough knowledge of secretarial functions and procedures; thorough knowledge of IBM compatible computers, Office 97 and Windows 95; demonstrated interpersonal and communication skills; ability to work effectively with faculty, administrators and others in a patient, pleasant and effective manner.

Secretary 980215. Chemical Engineering. Requirements: high school diploma; technical typing experience; knowledge of FIS. Responsibilities include assisting with staff support to the Department of Chemical Engineering.

Assistant University Registrar 980217. University Registrar. Requirements: bachelor's degree, master's preferred; relevant work experience; thorough knowledge of mainframe and PC-based systems with proficiency in statistical and/or spreadsheet programs; proven leadership in developing, implementing and supervising public service operations; knowledge of University policies and procedures preferred; commitment to innovative and creative problem solving in a complex university environment; a high service ori-

entation; ability to excel in team environment. Responsibilities include all student service operations and statistical reporting within the Office of the University Registrar.

Laboratory Assistant 980218. Earth and Planetary Sciences. Requirements: associate's degree, bachelor's degree preferred; undergraduate background in astronomy, chemistry and physics; experience with word processor (AmiPro preferred), spreadsheet (Lotus 1-2-3 preferred) and scientific plotting (Sigmaplot preferred) on PC; good communication skills; experience handling chemicals and preparing standard solutions.

Medical Campus

The following is a partial list of positions available at the School of Medicine. Employees interested should contact the medical school's Department of Human Resources at 362-7196 to request applications. External candidates may call 362-7195 for information regarding applicant procedures or may submit resumes to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, MO 63110. Job openings also may be accessed via the World Wide Web at <http://medicine.wustl.edu/wumshr>.

Administrative Secretary 980587. Requirements: high school diploma or equivalent, bachelor's degree preferred; four to five years experience in a doctor's office with some patient

contact; good typing skills, at least 60 wpm; strong organizational skills and ability to work in a fast-paced environment. Responsibilities include providing administrative support to the department chief; performing secretarial duties associated with research projects, grants and academic practice; typing manuscripts and reviews; making arrangements for faculty recruitment; making travel arrangements; planning meetings.

Technician (part time) 980602. Requirements: bachelor's degree; experience; knowledge of immunostaining of cells; physical staining by standing and bending over close work. Responsibilities include general lab duties in neuroimmunology lab; cell culture; immunostaining cells; reverse transcriptase PCR; general lab maintenance; ordering supplies.

Systems Manager 981033. Requirements: bachelor's degree in computer science, electrical engineering or related field or equivalent experience (four years including work while in school); experience in management, use and programming of personal computers (Macs and PCs) and minicomputers (UNIX and SUN); excellent oral and written communication skills; good analytical skills; good interpersonal skills. Responsibilities include managing heterogeneous network of Macintosh and PCs, IRIS, SUN and HP workstations for a department; performing all levels of system management, maintenance and upgrades for lab and departmental computing equipment; networking software and hardware; providing technical/non-technical support for department users; maintaining department Internet infrastructure.

Help with retirement tax issues available

The Office of Human Resources has scheduled three brown bag seminars to review recent retirement taxation changes under the Taxpayer Relief Act. A consultant with Teachers Insurance and Annuity Association-College Retirement Equities Fund (TIAA-CREF) will present information about the 1998 increased deferred annuity limits for employees, new types of individual retirement accounts and various credits for educational expenses.

The free seminars will be held on all three campuses as follows:

Hilltop Campus — Tuesday, Feb. 24, noon-1 p.m., Room 108 Simon Hall.

Medical Campus — Wednesday, Feb. 25, 11:30 a.m.-12:30 p.m., Erlanger Auditorium.

West Campus — Thursday, Feb. 26, noon-1 p.m., Room A/B Conference Center.

Human resources will offer seminars on two other topics this spring. In March, four sessions will review the group life insurance, long-term disability and long-term care plans. In April, there will be seven sessions on investment education.

Pre-registration is not required. For more information, contact the benefits office on your campus.

Fitness program offered at Athletic Complex

Put some spring in your step by taking part in a fitness program being offered this spring at the McWilliams Fitness Center in the Athletic Complex.

The six-week program, labeled "Your Choice," is open to the University community and begins March 2. Participants will meet from 6 to 7 a.m. each Monday, Wednesday and Friday through April 10.

The cost for the program is \$36. Enrollment is limited, so early registration is encouraged.

The program features a certified personal trainer who will be available to assist with all fitness needs, from getting started to developing a personalized training program.

For more information about the program, call 935-5220.

The following letter from Chancellor Mark S. Wrighton reaffirms Washington University's commitment to pursuing the goals of affirmative action.

Washington University is committed to providing equal opportunity for all who come to work and study here. For more than 30 years, we have actively and energetically recruited minority students, faculty and staff, and we believe we are well on our way to creating a campus where many different ethnic groups come together to learn not only from our professors but from each other.

In recent history, programs created for minorities have been challenged in various legislative bodies and courts, and those arguing against them have stated that individuals should be judged solely on their own merits regardless of family, economic status, race, ethnic group, religion or gender. Indeed, most Americans support this sentiment.

It is possible, however, to share this conviction and still believe that affirmative action programs are just and necessary. During the course of our country's past, many people by virtue of their race or ethnic group have been excluded from many opportunities, including the opportunity to have the best educational experience possible. For some years, our coun-

try has been engaged in righting some of these wrongs with a view to creating a successful multi-ethnic, multi-racial society that provides the same level of opportunities for all. In this effort, we as a country have made giant strides, but clearly we have not yet reached the goal.

As a private institution, Washington University has the advantage of being able to set its own goals. However, with this freedom comes the responsibility to formulate and pursue priorities that are in the best interest of our country as a whole. It is with this in mind that Washington University energetically reaffirms its affirmative action policies and gives high priority to attracting talented, academically gifted minority students, faculty members and administrators.

As we look to the next century, Washington University is committed to continuing this vigorous pursuit of a community that is just, multi-ethnic, multi-racial and, above all, a model of academic excellence that proves that the future of our country and world lies in its educated citizens.

Mark S. Wrighton

Mark S. Wrighton
Chancellor

New vanpools forming; riders offered benefits

The Washington University Medical Center Transportation Management Association (TMA) is forming new vanpools for Medical Center employees from all areas. All new vanpools formed during the months of February, March or April will get two free months of vanpooling.

A vanpool is a 9- or 15-passenger van that is fully maintained and insured by

TMA. Vanpoolers pay one monthly fare, which includes parking, gasoline, insurance, van maintenance and vehicle wear costs. All TMA vanpoolers are enrolled in the Guaranteed Ride Home Program, providing a free ride home if an employee has to leave work early or stay late because of an unexpected event.

For more information, call 747-0706 or e-mail rideshare@facilities.wustl.edu.

Thwarting bacterial resistance — from page 1

compounds that may inhibit one of these proteins. With the SIGA funding, they now will develop and test additional compounds. Such drugs should prevent Gram-negative pathogenic bacteria from making pili. The bald bacteria would be unable to cause disease.

"The mode of action of this new class of anti-infectives will be unlike any other

previously discovered," Hultgren said.

"This will circumvent the resistance mechanisms already established in many Gram-negative bacteria. And because the pathway that makes pili is conserved in these microbes, inhibitors discovered by the SIGA-Washington University collaboration have the potential to be broad-spectrum antibiotics." — Linda Sage

Washington University Female and Minority Employees in Each Equal Employment Opportunity Commission Category

Job Categories	Total	Male	Female	Minority	% Female	% Minority
	1997	1997	1997	1997	1997	1997
Faculty Tenured	821	717	104	72	12.7	8.8
Faculty Tenure Track	389	280	109	55	28.0	14.1
Faculty Other	1,343	874	469	340	34.9	25.3
Executive/Admin.	1,091	311	780	111	71.5	10.2
Professional	1,681	624	1,057	379	62.9	22.5
Secretarial/Clerical	1,787	170	1,617	396	90.5	22.2
Technical	1,282	459	823	302	64.2	23.6
Skilled Crafts	192	190	2	31	1.0	16.1
Service	558	294	264	324	47.3	58.1