University houses national environmental research center

Washington University will be the location of the Community Environmental Center (CEC), a national environmental research center spearheaded by the Electric Power Research Institute (EPRI). The CEC is the principal research and development organization of the electric power industry. The announcement was made at a March 9 news conference in the University's Alumni House.

Slated to open July 1, the multimillion dollar center will be completed with matching research projects and encouraging collaboration on community environmental issues. Initially, the CEC staff will focus on municipal water treatment projects, with full participation of industry, academia and the community. Eventually, CEC projects will expand to address other critical, related environmental issues faced by the St. Louis community.


We are proud that EPRI will establish the Community Environmental Center at Washington University, and we welcome their staff and research activities to our campus to conduct water quality and other environmental studies," said Chancellor Danforth. "We are pleased to have the center here. We're also pleased that two of our sister institutions, both Illinois' universities—University-Edwardsville and the University of Missouri-St. Louis are involved, as well as the St. Louis County Water Co., Union Electric Co., the Metropolitan St. Louis Sewer District and the Regional Commerce and Growth Association. We look forward to working with these partners in this important endeavor."

Christopher L. Byrnes, Ph.D., dean of the School of Engineering, said he believes one of the primary reasons that St. Louis was selected as the site of the EPRI Community Environmental Center is the longstanding cooperation between industry and university leadership and contributions in environmental engineering. "The EPRI center will, in turn, foster and promote this cooperation; this, in fact, one of the big advantages to both the St. Louis area and Washington University in particular. Another very important benefit to having CEC located in St. Louis is the increased potential for our undergraduate and graduate students to become involved in meaningful environmental engineering programs. Byrnes said he wanted to particularly acknowledge the leadership of Union Electric in bringing the EPRI center to the area.

The center also will provide technical expertise to utilities throughout the United States and use its resources to transfer technology developed through

Scientists make measurements of organic molecules on interplanetary dust particles

Scientists at Washington University and Stanford University have made the first measurements of specific organic molecules — the kind that might have been involved in "seeding" the earth with life — on particles of interplanetary dust. The teams, led by Robert M. Walker, Ph.D., director of Washington University's McDonnell Center for Space Sciences, and Richard N. Zare of Stanford, reported on their findings March 17 at the Lunar and Planetary Science Conference XXVII in Houston.

The report does not mean they have found the precursors of life on the dust, but rather that they have made the first measurements of the kinds of molecules, polymeric aromatic hydrocarbons (PAHs), scientists would expect to find if the precursors of terrestrial life did arrive on earth from space. Scientists have speculated that that scenario for years, but until now no one has been able to measure these molecules on these dust particles.

Interplanetary dust particles (IDPs), ubiquitous in the interstellar medium, are some of the most primitive materials in the solar system. Although they are typically less than 10 microns in diameter (0.0007 inches or one-tenth the diameter of a human hair), extensive measurements have shown unusual enrichments in the heavy isotopes of both the elements hydrogen and nitrogen. The nature, however, of the measurements of organic molecules in IDPs is a matter of some concern in the problem with a double blast of laser light. The IDPs were collected in the stratosphere by an aircraft operated by NASA, and学院 for further analysis to determine if a particle was of extraterrestrial origin. Similar material from the second plate was transferred to a potassium bromide mount and measured by infrared spectroscopy.

On the gas foil specimen, they measured the relative abundances of different isotopes of the same element, which allowed them to calculate definitively that they had some particles the came from outer space.

In This Issue...

First in the world: New islet tissue processing laboratory and cell bank to expand existing diabetes research

A global view: Udo Kultermann, Ph.D., teaches his students the importance of cultural sensitivity in architecture

"A Toast to Thirty Years": The Arts and Education Council fund drive celebrates 30 years of commitment to regional arts

University houses national environmental research center

Scientists make measurements of organic molecules on interplanetary dust particles

Televison producer, writer Linda Ellerbee discusses surviving life with humor intact

Ellerbee, who writes a nationally syndicated newspaper column for The Hearst Corp.'s King Features Syndicate, has written two best-selling books. Her book And So It Goes: Adventures in Television, published in 1986, was nominated for a Pulitzer Prize and is used as a textbook at more than 100 universities. Her latest book, Move On: Adventures in the Real World, was published in 1991.

Prior to forming her own production company, Ellerbee worked as a network correspondent and anchor at NBC and ABC. While at NBC, she also anchored and wrote several documentaries, the award-winning news magazine "Week-end" and the "Today Show" feature series "FGI." Her pioneer late-night news program "NBC News Overnight" was cited by the Columbia duPont Awards as possibly "the best written and most intelligent news program ever." In 1986, she anchored the ABC prime-time historical series "Our World," for which she won that year's Emmy for best writing.

Omicron Delta Kappa is a national honorary that recognizes students for their leadership and contributions in the areas of scholarship, athletics, community service, communications and the arts. The lecture is co-sponsored by the Assembly Series, Student Union and Women's Week. For more information, call 935-4620.

Natalie Gordon (center), a senior majoring in history, and about 17 other Washington University students dedicate time each week to the Phillips WheatleyYWCA Tools program. The students spend Tuesday, Wednesday and Thursday afternoons with about 25 girls, ages 11 to 13, at the YWCA building on Locust. Through the leadership building program, the students teach youth about development, avoiding teen pregnancy and preventing drug and alcohol abuse. They also spend time helping the girls with their homework and roller skating.

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**Medical Update**

**New tissue-processing laboratory is first of its kind in the world**

A new islet tissue-processing laboratory and cell bank opened here on March 11. The laboratory, the first of its kind in the world, will isolate and purify insulin-producing cells for transplantation in persons with insulin-dependent diabetes. Located in the BarnesCare Midtown building at 5000 Manchester Road, the laboratory will be operated by Barnes Hospital.

The laboratory will apply on a larger scale techniques developed by Washington University researchers Paul Lacy, M.D., Ph.D., and David Scharp, M.D. In recent clinical trials, Scharp's transplant procedure has reduced or temporarily eliminated the need for insulin injections in diabetic patients. The new laboratory will increase cell processing and create a tissue bank so clinical trials can be expanded. Basic research aimed at improving the techniques used to collect and purify insulin-producing cells will continue at the School of Medicine under Lacy and Scharp while the new laboratory will process islets for transplantation. Patients receiving islet cells from the new laboratory will be the first to benefit from the islet cell procedure.

"We're excited and see this collaboration with Barnes Hospital as the best way to move ahead with the work," Lacy added. "It will provide us the opportunity to further test this approach and, in the future, establish it as a viable long-term solution for the majority of diabetics."

In the islet cell transplant process, islets are collected from cadaver pancreas tissue, purified and eventually injected into the recipient's abdominal vein, where they then travel to the liver. Once established in the liver, the transplanted islet cells take over glucose regulation by secreting appropriate levels of insulin, thus reducing or completely erasing the patient's need for insulin injections. The huge swings in blood levels of glucose that are associated with insulin injections can delay but seldom totally prevent diabetes' severe complications.

The researchers hope that someday the technique can be used to control diabetes before serious complications such as blindness and kidney failure develop. In the future phase of the trials researchers hope to apply techniques that will "trick" the transplanted cells so the body's immune system does not detect their presence and reject them. "Success at that stage will allow us to transplant cells into diabetic children before they develop the disease's serious side effects," Scharp added.

There are more than a million insulin-dependent diabetics in the United States alone.

Carol Swanson, Washington University medical research technologist (center), guides visitors on a tour of the new Barnes Hospital Islet Processing Lab during an open house March 12. She explains the five isolators that are used to prepare islet cells for transplantation in diabetic patients. The cell bank will allow the researchers to build up a supply of healthy, pure islet cells. The cells that produce insulin are found inside the islets of Langerhans, small groups of hormone-producing cells spread throughout the pancreas. Lacy and Scharp's research has shown that transplants are most likely to succeed when there are one million cells given to the recipient.

"The large volume of cells needed to support further clinical trials make this new center, especially its capacity for freeze-drying and processing, crucial," says Scharp, a surgeon. "The bank is a crucial part of the Naissance and kidney failure develop. In the future phase of the trials researchers hope to apply techniques that will "trick" the transplanted cells so the body's immune system does not detect their presence and reject them. "Success at that stage will allow us to transplant cells into diabetic children before they develop the disease's serious side effects," Scharp added.

There are more than a million insulin-dependent diabetics in the United States alone.

Currently, only those individuals who are taking immunosuppressive drugs following a kidney transplant or who are on a waiting list for such a transplant are being considered for the experimental procedure.

---Joni Westerhouse

**States named director of the Institute for Biomedical Computing**

David J. States, M.D., Ph.D., has been named director of the Institute for Biomedical Computing at the School of Medicine.

States was formerly a senior staff fellow at the National Library of Medicine's National Center for Biotechnology Information (NCBI). At NCBI, which is part of the National Institutes of Health, States was responsible for the construction and analysis of sequence data bases.

In conjunction with his position at the medical school, States also directs a program in biomedical engineering in the School of Engineering and Applied Science.

Among his responsibilities at the institute, States will oversee the institute's research in molecular biology and on how to get connected to the C. elegans research community. States received his medical degree and doctorate in biophysics from Harvard Medical School and Harvard University in 1983.

**Research grant applications being accepted**

Grant applications are being accepted through the School of Medicine's New Investigator Research Support Program to fund pilot research projects. The program replaces the National Institutes of Health Biomedical Research Support Grant Program, which has not been funded for two years.

Between 10 and 13 grants will be awarded through the new program, which is funded by several clinical departments and the School of Medicine. Only School of Medicine faculty can apply for the grants. Applications must include a complete budget for supplies and equipment, a copy of the investigator's curriculum vitae and a statement about current grant support. Research proposals should not exceed five pages. A completed Proposal Transmittal Form must accompany the original application and have the proposed investigator's name clearly written in the upper left corner. All information must be received by the Office of Grants, Contracts and Compliance by April 15. Applications are expected to be read by July 1.

Pilot projects that explore new research ideas, test the validity of the idea, and provide preliminary findings that could be used as the basis for research project grant applications will be considered first. Young investigators and those new to the School of Medicine are encouraged to apply for one-time grants, which will not exceed $10,000.

The program's advisory committee will review the applications and select grant recipients. For more information, call John O. Holladay, M.D., advisory committee chairman, at 320-356.
Kultermann trains future architects in cultural sensitivity

Because Udo Kultermann, Ph.D., has traveled extensively throughout the world studying and teaching about architecture, art history and other cultural pursuits, he offers his students a unique perspective.

Considered a modernist expert on Third World architecture, Kultermann, the Ruth and Norman Moore Professor of Architecture, is an outspoken advocate of using indigenous materials to build in developing countries. From his days studying in eastern countries, he says, try to import western-trained architects who build western-style architecture in environments and cultures that require other solutions.

As a result of his expertise, Kultermann is especially sensitive to the challenges of non-Western regions. Kultermann says, "always have to watch out that people don't think I know what's best for them. We cannot just go in and say, 'Okay, do what I do.' I have very many debates especially with European architects who are also going out to other countries and saying, 'Okay, we will tell you how to do it.'"

In his classes, Kultermann works to convey that same sensitivity to his students by introducing them to the architecture, culture through dance, novels, poems and art of many of these cultural disciplines. Students in his classes are likely to read translations of Japanese poetry and books on the histories of architecture.

"Poesy is a very good introduction to a culture," says Kultermann. "I love Arab poetry. It's a very rich literature. The contemporary poetry, especially, has an overwhelming sadness and sense of tragedy. I think it's through the poetry that one can understand the Arab way. Because the Arab is the paradox that one can see the path the Arab understands the suffering over the Palestine situation, for example."

For a class on Japanese architecture, Kultermann had his students read a translation of Jun'ich'iro Tanizaki's "In Praise of Shadows," an essay that deals with theatre, architecture and living with minimum privacy — both at the same time. "It is very often tied into other countries and says, try to import western-trained architects who build western-style architecture in environments and cultures that require other solutions." It only has to be articulated in a way that you have the chance to have the total freedom to communicate with as many as possible, but you also have the freedom to be by yourself. I think it can be done and there are architects who have proven that it can be worked with maximum communication and flexibility and maximum privacy — both at the same time."

To help his students gain a global perspective on the issues and the problems, Kultermann had each of the six students look at models of the six cities that are considered a part of Third World countries and all of the cultural situations. Growing up in a section of eastern Germany, which was occupied by the Russians, Kultermann had what he calls "childhood. World War II began when I was 12, and the Russians occupied his home town 10 years later. In order to avoid being a prisoner of war he joined the German equivalent of the Merchant Marine. On one of his tours of duty his ship sank and he was fished from the Báltic."

Before coming to Washington University 26 years ago, Kultermann had a wide range of experiences. Growing up in a section of eastern Germany that was not considered part of Poland, Kultermann had what he calls "childhood. World War II began when I was 12, and the Russians occupied his home town 10 years later. In order to avoid being a prisoner of war he joined the German equivalent of the Merchant Marine. On one of his tours of duty his ship sank and he was fished from the Báltic."

"I am teaching them to think, not just regurgitate, but to think when there is no easy or clear-cut solution."

"Density, I think, does not need to be wrong. New York, for example, is wonderful. I like the vibrations there. But there are big crowds and more opportunities. I like it. I am not afraid of these big masses. It only has to be articulated in a way that you have the chance to have the total freedom to communicate with as many as possible, but you also have the freedom to be by yourself. I think it can be done and there are architects who have proven that it can be worked with maximum communication and flexibility and maxim

prisoner of war he joined the German equivalent of the Merchant Marine. On one of his tours of duty his ship sank and he was fished from the Báltic.

After this experience he enrolled at the University of Greifswald, where he studied from 1946-1950, majoring in art history and German literature.

Those were marvelous years," he recalled in a 1980 Washington University Magazine article, "although we were in East Germany, which was occupied by the Russians, I think it was one of my happiest years. Our faculty had a wonderful attitude of independence.

In spite of the intellectual independence this university, Kultermann had felt constrained by the travel restrictions put on East Germans. He felt that he had to see for himself the historical and architectural marvels of the world. In order to deepen his intellect and advance his goal of pursuing a museum career. When he finally decided to leave East Germany, his teachers secretly arranged for his admission to the University of Münster in Westphalia, a part of West Germany. In order to actually leave the country he had to swim across a branch of the river Elbe. Kultermann completed his studies in 1953.

In 1956, Kultermann became program director for the American House in Bremen, Germany, operated by the U. S. Information Service, where he planned cultural programs for all of northwest Germany. Kultermann had a lot of freedom in his programs, and he began to lecture on such contemporary American artists as Jackson Pollock and Alexander Calder. He also gradually became an expert on the Chicago School of Architecture, which includes Frank Lloyd Wright, Frank Lloyd Wright and Ludwig Mies van der Rohe, among others. By 1958 his first book, Architecture of Today, was published.

Kultermann published two more books by 1959, which helped him attain his career goal of becoming a professor and director. By the end of his five-year tenure at the City Art Museum of Leverkusen, Germany, Kultermann was a recognized expert in modern art. Many of the exhibitions he organized had attracted international attention. In 1967 Kultermann accepted an invitation to teach at Washington University for one year. That year has since expanded to 26.

"Washington University has a wonderful environment," said Kultermann. "I have had many other offers, but I've always stayed here. Dines (Dean Constantine Michaelides) is a wonderful moderator in many ways, and this school has a very little tension.""
Films

Thursday, March 18
7 p.m. Dept. of Asian and Near Eastern Languages and Literatures Japanese Film Series presents "A Door to the Sky." 1000 East Bldg. Room 100 Brown Hall. Cost: $3.

Friday, March 19
7:30 a.m. Dept. of Cell Biology and Physiology seminar, "Theory of Planar NxN Optical Couplers Based Upon Fourier Optics," C.W. Phelps, graduate student, Optics, U; chief, Division of Emergency Medicine; Fleisher, assoc. prof, of pediatrics, Harvard Medical School and Asexual Species and Clones of House Furnace, Department of Biology.

Monday, March 22

Films

Films

Exhibitions

School of Fine Arts Juried Student Exhibit. Opening: 5-7 p.m. March 19. Exhibit continues through March 25. Hours: 10-4 Mon.-Fri., 10-1 Sat. Free. For more info., call 935-4643.

Lectures

Lectures

Thursday, March 18
Noon. Dept. of Genetics seminar, "Determinants of Promoter Strength," Mark Johnson, assoc. prof, Dept. of Genetics, WU School of Medicine. Room 112 South Ridgley Hall.

Friday, March 19

Saturday, March 20
1:30 p.m. African and Afro-American Studies Program, Dept. of English, Interna- tional Writers Center and American University Filmboard present a symposium featuring African-American poet with poetics Thulys Mosse, Elizabeth Alexander, and Kenneth McClane. The symposium is part of Black Hairland III series. Hurst Lounge, Room 201 Duncker Hall. For more info., call 935-7538.

Monday, March 22
7 p.m. Dept. of Biology and Materials Science and Dept. of Microbiology and Immunology, U. of Michigan, Ann Arbor. Room 775 McDonnell Medical Sciences Bldg.

Women's Bldg. Lounge.

Women's Bldg. Lounge.

Women's Bldg. Lounge.

Wednesday, March 24
4:45 p.m. University College reception and Brown Bag Seminar, "Kodak Electronic Imaging," Norm Hente, WU Radiology Research. Room 482 Odd Fellows Children's Hospital.

Tuesday, March 23

Midnight. Filmboard Midnight Series presents "101 Dalmatians." (Also March 27, same time, and March 28, 7:30 p.m.) Room 100 Brown Hall.

Friday, March 27
7 p.m. The Gay and Lesbian Association of Student Social Workers presents "Desert Hearts." Room B-22 Brown Hall.

Midnight. Filmboard Midnight Series presents "Goddesses and Queens" coin exhibit. Hours: 10 a.m.-5 p.m. weekdays; 1-5 p.m. Sat.-Sun. Free. (Also March 18-27)

Monday, March 22
4 p.m. Dept. of Biology and Materials Science and Dept. of Microbiology and Immunology, U. of Michigan, Ann Arbor. Room 775 McDonnell Medical Sciences Bldg.

Saturday, March 20
1:30-3 p.m. African and Afro-American Studies Program, Dept. of English, Interna- tional Writers Center and American University Filmboard present a symposium featuring African-American poet with poetics Thulys Mosse, Elizabeth Alexander, and Kenneth McClane. The symposium is part of Black Hairland III series. Hurst Lounge, Room 201 Duncker Hall. For more info., call 935-7538.

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3 p.m. Dept. of Psychology Psychology Analysis Seminar, "Geometric Characterization of Removable Sets of Analytic Functions," Xiaochun Chen, assoc. prof, WU. Room 199 Cupples I Hall.

Music

**Friday, March 18**
8 p.m. Student Union and Jazz St. Louis present "Jazziana: The Best of Jazz," by The Leaders. Graham Chapel. Advance ticket: $14 for general public; $8 for WU faculty and staff; and $8 for WU students. The price at the door is $15 for everyone. Call 935-3216.

**Saturday, March 19**
7 p.m. Department of music presents a lecture/concert with Roland Jordan, assis. prof. of music, and the WU Opera, directed by John Stewart. Schmidt Hall. For more info., call 935-3216.

**Sunday, March 21**
3 p.m. Department of music, "Rachmaninoff Requiem," featuring faculty and undergraduate students from the WU Dept. of Music. Steinberg Hall Aud.

**Music department presents operas**

Washington University Opera will present two performances of "Fables" in English, "Fables" by Ned Rorem and "What Price Confidence" by Ernst Krenek, at 8 p.m. March 26 and 27 in the Sheldon Auditorium, 3648 Washington Ave.

A pre-performance talk at 7 p.m. by Roland Jordan, Ph.D., associate professor of music, will focus on "What Price Confidence," a witty, but rarely performed opera. The two operas, "Fables," written in 1970 by Rorem, and "What Price Confidence," written in 1945 by Krenek, will be directed by John Stewart, associate professor of music and head of the voice program, and Jolly Stewart, lecturer in music and head of the opera program at WU. Neither work has been performed in St. Louis. The two operas were commissioned independently, says John Stewart, because the music is difficult to learn.

The success of WU Opera’s third year this March, the 2003-04 season, "pays homage to a great educational trend," according to Ellen M. Hill, who serves as the chairman of the School of Visual and Performing Arts. "We are extremely proud of the work of our students and faculty," Hill said. "We are also thankful for the support of the University and the community, which has allowed us to produce such diverse and high-quality productions."
CEC to focus on municipal water treatment projects

Toasts to Thirty Years," the theme of the 1993 Arts and Education Council (A&E) fund drive, celebrates 30 years of commitment to more than 130 regional arts, cultural and arts education member organizations. The council's mission continues to be one of making arts and culture accessible to all.

Chancellor William H. Danforth said he believes the University's participation in the fund drive is important because of the excellence of its educational institutions. The St. Louis area offers a large pool of technical expertise available to participants who visit the center from across the nation and world. There is no question that environmental restrictions are getting tighter and tighter. The good news is that industries are beginning to find the technologies to deal with the restrictions. And we are fortunate like CEC that we are bringing the technologies to fruition in time.

The CEC will begin operations by managing the EPRI Municipal Water and Waste Water Projects. She noted that in 1990 when a group of electric utilities agreed to jointly produce a series of scoping, research and demonstration projects related to municipal water and waste water industries. In St. Louis, the project took the form of a contractual relationship with Union Electric Co. and the St. Louis Water Co. Two years ago, all three organizations agreed to work together and eliminate traces of a pesticide pollutant. Ozoneation is a process where normal oxygen is modified by an electric charge, producing an oxidizing agent that cleanses water or water fluids. To finance the CEC start-up, Union Electric has pledged $550,000, the first two-and-one-half years of operation. The CEC will initiate research projects, develop funding sources and work closely with EPRI, trade associations and other research organizations. Southern Illinois University-Edwardsville offers its Environmental Resource Training Center, and the University of Missouri-St. Louis also offers its resources.

Social historian gives architecture lecture

Social historian Richard Sennett will speak for the School of Architecture's Monday Night Lecture Series on "The Public and Private Moments of the Self" on Monday, March 22, in the Steinberg Hall auditorium. His lecture, "At the Edge," is part of the Assembly Series sponsored by the Committee on Urban Studies, sponsored by the University. He chairs the International and Public Affairs at Columbia University. He teaches at Phillips Academy in Andover, Mass.

The symposium is sponsored by the African and Afro-American Studies Program, the University. For more information, call 935-5060.

African-American poetry examined

Four poets — Elizabeth Alexander, Cornelius Eady, Kenneth McClane and Thyliss Moss — will serve as panelists during a symposium on African-American poetry, Gerald Early, Ph.D, of the School of Critical Studies and director of the African and Afro-American Studies Program, will moderate. The symposium, which will be held on Monday, March 14, in the York University Center, Room 201 Duncker Hall, is free and open to the public.

The panelists will explore the writing, publication and tradition of African-American poetry, as well as the audiences it attracts. In addition, the panel will answer questions from the audience. A 1:30-3 p.m., panel discussion will be followed by a booking at 3:30 p.m. The poets will read from their works.

Alexander's first book of poetry, Venus Hum, was published in 1980. Her other work, a critical study, is titled Workings of the Spirit: The Poetics of Afro-American Women's Writing. She teaches at the University of Chicago.

Eady lives in New York City and teaches at the State University of New York at Stony Brook. His books of poetry include Kahera and The Language of the Dance. For Crane, for which he won the 1985 Langston Prize from the Academic of American Poets; the Regional, Room, and The Gustation of My Name. McClane is professor of English at Cornell University. He has published seven books of poetry, the latest of these being Take Five: Collected Poems, 1977-1985. His latest book is a collection of autobiographical poetry: Pyramidal Bone: History Seams on a Caged Woman, At Redbeams, Rainbow Remnants in Rock Bottom Ghosty Sky, and New and Selected Poems to be published by University. He is also the 1990 Pushcart Prize and the Whiting Writers' Prize recipient.

Moss teaches at Tulane University and the University of New Orleans. For more information, call 660-6630.
Branch Davidsen have right to exist, says cult expert
Frank K. Flann, Ph.D., adjunct professor of religious studies, has been an expert witness in numerous cases on the rights of religious groups to exist. Here he comments on the Branch Davidsen religious cult of Waco, Texas. Since Feb. 28, the sect, led by David Koresh, has been embroiled in a deadly standoff with federal agents.

"The Waco case raises serious questions about the future of religious freedom," says Flann. "Regardless of what the public thinks of the Branch Davidsen cult's ideas, they have an absolute right to exist as a religious group. They have no right to commit crimes, but they do have the right to form and function as a religious group. What is at risk here is religious freedom itself," says Flann. Flann says that members of mainline churches believe that freedom of religion is lost for new religious movements, "It is also lost for Catholics, Episcopalians and Lutherans.

The genius of the U.S. Constitution is that it works to disentangle the affairs of religion from the affairs of state, says Flann. "One of the benefits of the First Amendment is the separation of church and state," according to Flann. "This means that the state is not allowed to suppress religious belief, nor to hold sway over the policies of a religious group. If we are not willing to tolerate the groups we don't agree with, then it is possible that we will lose the right to exist as a religious group."

"What we must realize is that Americans are not willing to tolerate this group's semen of a crazy idea that they must be willing to tolerate the arms wholesalers that got those weapons to the group. We have seen a crackdown on illegal arms merchants like we did on this group."

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Proposals sought for Kemper faculty grants

Proposals are now being accepted for the 1993-94 Kemper Faculty Grants to support innovative, creative contributions to undergraduate education. The Kemper Faculty Grant program is designed to create significant new learning experiences for students through research and creative activity. The program is specifically designed to encourage the development of new courses or fresh approaches to teaching at the undergraduate, liberal education. The program also encourages new strategies and innovative teaching approaches in fields outside the students' primary interests. The intent is to strengthen the connection available to students outside their majors. For further information, contact Robert H. McDowell, Ph.D., director of the Teaching Center and professor of mathematics, at 935-5399.

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For The Record

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

Speaking of

Jeanie Artie, Ph.D., assistant professor of history, delivered a paper titled "The Problem of Patriotism" at the Barnard Center for Research on Women. The center is located in New York. During the American Studies Association's annual meeting in Costa Mesa, Calif., scholars criticized her paper on "The Myth of the Conquest: Female Volunteerism, Cultural Authority and the Sanitary Fairs of 1863-1864.'

Robert Heilbroner, Ph.D., prominent professor of drama and comparative literature, organized a special session on Renaissance literature and presented a paper on "The Play of Gent in Guano and Shake- spearean Tragicomedy" at the Modern Language Association convention in New York. He also presented a paper titled "The Peripatetic Passages of Ritual: The Transformations of Drama" during a seminar held in the William S. Cameron Memorial Room of the For- mula Council for the Humanities fund the seminar.

Frederick Sweet, Ph.D., professor of reproductive biology in obstetrics and gynecology, addressed the panel on the work of the Women's Political Caucus held at Stephens College. M. S. Sweet's talk, titled "History and Development of RU-486," reported on the Clinton administration's decision to remove the drug from the U.S. stock list of the French abortion pill.

Nancy R. Vosler, Ph.D., associate professor of social work, presented a paper titled "Families and the Effects of Macro-level Policy Change on Families and Family Members" at the International conference sponsored by the Association of Social Workers (Warsaw) and Moscow Technological Academy. The conference, titled "Social Work Issues and Sociology of Family Life in the Time of Transition to Market Conditions," was held in the town of Tarassovskaja, which is located near Moscow.

Of note

Mark P. Callery, M.D., assistant professor of surgery, received an American College of Surgeons Faculty Fellowship to support his research on the Regulation of Intracellular Signaling in Activated Kupffer cells. The award provides $60,000 in support. Callery's clinical interests focus on hepatobiliary and gastrointestinal issues. He received his medical degree from the University of Virginia.

Dwight C. Look, M.D., instructor in medicine, has been appointed a Parker B. Francis Fellowship Award for $102,000 to study "Regulation of the ICAM-1 Gene in the Pulmonary Airways." The Francis Families Foundation Fellowship is designed to attract graduate students to federal service.

Carole A. Prietto, University archivist, was elected as a member of the Academy of Certified Archivists. The academy is an independent, non-profit, certifying organi- zation of professionals who wish to further develop archival education, concepts and issues. Admission into the academy signifies that Prietto has mastered archival principles and practice and is committed to professional ethics and standards for the collection, care, preservation and access to historical materials.

Steven B. Scholnick, Ph.D., assistant professor of otolaryngology, received a $230,000 grant from the American Cancer Society for a research project titled "Acute Lysin in Laryngeal Squamous Cell Carcinoma."

Thomas Thach, M.D., professor of neurology and neurological surgery, received a $230,553 grant from the National Institute of Neurological Disorders and Stroke for a research project titled "Neural Control of Trained Movement."

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Appointments announced in governmental relations

Pamela Lokken has been appointed director of governmental relations for the College and has been named assistant director of governmental relations for student relations. Chang Ok H. Danforth has announced. Lokken, who previously served as assistant director of governmental relations, succeeds Robert Blackmon, who has retired from the position as director and is working as a consultant to the department. As assistant director of governmental relations, Lokken oversees the College's capitol affairs.

Pamela Lokken has been appointed senior administrative staff to the University's interests to federal policy-makers. She also coordinates the oversite of federal, state and local legislative/regulatory initiatives that affect the University.

Lokken came to the University in Aug. 1991. She formerly worked as a legisla- tive assistant to the Director of the National Institutes of Health's (NIH) National Center for Human Genome Research in Bethesda, Md. NIH officials admired her work for the institute's Presidential Management Intern Program, an intensive two-year program designed to attract graduate students to federal service.

Lokken received a bachelor's degree in political science from the University of Wisconsin-Whitewater in 1979. She re- ceived a master's degree in international policy and a master's degree in political science from the University of Michigan in 1987.

As assistant director of governmental relations for state relations, Lokken advises the director on state and local policy issues such as legislative aid and research support. She also coordinates the University's and Missouri's efforts to member of the University's legislative, executive and administrative branches of government.

Wendtner served as executive assistant to the director of governmental relations from 1988-1992. In that role, she assisted in the development and implementation of the University's statewide public policy agenda. Before coming to Washington in 1985, she served as a student volunteer program at St. Louis University.

Wendtner received a bachelor's degree in political science from the University of Missouri-St. Louis. She received a master's degree in public administration from St. Louis University in 1990.

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Introducing new faculty members

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

Michael N. Diringer, M.D., assistant professor of neurological and surgical surgery, comes to the School of Medicine from the Johns Hopkins School of Medicine, where he was an assistant professor in the departments of neurological surgery and critical care medicine. He also serves as director of the neurology and neuroscience programs at the Barnes Hospital, which is part of the Washington University Medical Center. His research and clinical focus is on stroke and stroke-related issues. He received his medical degree in psychology from the State University of New York at Stony Brook in 1983 and his master's degree in the University of Kentucky in 1982. Diringer is a member of the Foun- dation Fellow from 1990-92.
Hi IHilltop Campus
The following is a list of positions available at 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.

Researcher 930141. Development Services. Requirements: Bachelor's degree, liberal arts background, research and writing skills; typing 35 wpm with accuracy and data entry accuracy. Include three letters of recommendation required.

Receptionist/Secretary 930142. Career Center. Requirements: High school graduate. This position is the focal point of the center. A positive, professional, courteous and friendly disposition is required. Must be a "people" person, team player, flexible, and detail-oriented; able to set priorities and work on numerous tasks simultaneously; some college education and computer experience; type 35 wpm with accuracy; applicant should possess working knowledge of University procedures and General Administration. Include three letters of recommendation.

Project Manager 930143. Facilities Planning and Management. Requirements: College degree in engineering/construction/architecture; minimum five years' project-management experience in both design and construction; ability to read and interpret plans and specifications; experience working with and motivating design professionals and others in a fast-paced, goal-oriented and priorities to be most productive; must be a self-motivated, responsible and mature individual; good communication skills a necessity; must possess a good working knowledge of the design and construction industry to assess quality of the work being performed; ability to prioritize, organize and sequence tasks; proper means and methods of design and construction. Resume and three letters of recommendation required.

Lab Aide 930146. Biology. Requirements: High school graduate; seat handling of busy laboratory. Duties include pickup and processing; housekeeping; media preparation; run errands for department. Include three letters of recommendation required.

Accounting Clerk 930151. Biology. Requirements: High school graduate, certificate or associate's degree preferred; typing with accuracy required. This position requires basic understanding of accounting; bookkeeping; strong bookkeeping, clerical and verbal skills; demonstrated abilities in developing and using Excel spreadsheets on a Macintosh computer, and inputting and updating other financial systems; knowledge of FIS and grants budgeting strongly preferred; requires ability to handle multiple priorities with minimal supervision; must demonstrate sound independent judgment, initiative, and the ability to work well with the public, students and other staff members; superior attendance record; impressive sense of humor. Clerical tests and three letters of recommendation required.

Library Assistant 930157. Spanish/4 Business. Requirements: Two years of college, bachelor's degree preferred. Preferences: typing with accuracy; ability to interact well with users of the library; ability to explain and interpret information; organizational skills; ability to work independently with minimal supervision; typing 35 wpm with accuracy. Clerical tests and three letters of recommendation required.

Medical Technologist I 930161. Biology. Requirements: Bachelor's degree preferably in computer science; will be administratar of department. Extensive knowledge in VAX/VMS and UNIX systems management and programming required; experience with Ethernet, Decnet, and Apple Talk networking; expertise in relational data base systems; experience supporting Macintosh and PC systems; good interpersonal and organizational skills; must demonstrate sound independent judgment, initiative, and the ability to work well with the public, students and other staff members; superior attendance record; impressive sense of humor. Clerical tests and three letters of recommendation required.

Coordinator 930162. Alumni and Development Programs. Requirements: Bachelor's degree in social sciences with excellent oral communications and interpersonal skills; motivation and attendance to detail; ability to pleasantly over-come objections and be effectively persuasive with volunteers, donors, and prospects; University's staff; ability to deal with multiple priorities with minimal supervision; knowledge of University policies and systems and personnel would be helpful; minimum of five years experience in University or High-level executive job or business setting; familiarity with word processing techniques; ability to analyze, condense confidential information on major prospects and provide concise documentation; typing 50 wpm preferred. Clerical tests and three letters of recommendation required.

Library Assistant 930163. Anthropology. Requirements: Bachelor's or advanced degree in anthropology or with courses in anthropology; editorial and office management experience also would be essential. The editorial assistant also should be computer literate enough to use word processing and spreadsheets. Fluently. The editorial assistant should be familiar with the use of microcomputers and photocopiers; typing with accuracy required. Clerical tests and three letters of recommendation required.

Medical Public Affairs. Requirements: Bachelor's degree, three years professional experience in medical, public or relations fields; enthusiasm, aggressive approach to story placement and working with the news media. Be able to type 50 wpm and three letters of recommendation required.

Coordinator of Media Relations 930166. Medical Public Affairs. Requirements: Bachelor's degree; master's degree preferred; five years experience in medical, public or relations fields; ability to plan, organize and implement a regular public relations program. Resume and three letters of recommendation required.

Laboratory Coordinator 930167. Chemistry. Requirements: Bachelor's degree, master's degree preferred; five years experience in medical, public or relations fields; ability to plan, organize and implement a regular public relations program. Resume and three letters of recommendation required.

Medical Technologist I 930168. Medical Systems. Requirements: High school graduate; good physical health (able to safely handle a loaded two-wheeled dolly up and down stairs); able to work required extra hours, weekends and shift changes; scheduled work week will be Tuesday through Saturday. Application and three letters of recommendation required.

Medical Campus Office 930169. Medical Systems. The following is a partial list of positions available at the School of Medicine. Employees with positions, preferably in a transfer request should contact the Human Resources Department of the medical school at 930-4920 to request an application. External candidates may call 362-7785 for information on application procedures or may submit a resume to the Human Resources office located at 4440 Clayton Ave., Room 8002, St. Louis, Mo. 63110. Please note that the medical school cannot release salary information for vacancies, and the office strongly discourages inquiries to department centers/posts/positions. Resume and three letters of recommendation required.

Medical Technologist I 930170. Pediatrics. Schedule: Part time, 16 hours a week — Saturday and

Sunday evenings with some holidays. Required: Bachelor's degree with one year hematology experience; prefer M(ASCP) for medical technologist. Send cover letter, health, and urinalysis tests.

Statistical Data Analyst 930348-R. Internal Medicine. Requirements: Bachelor's degree; doctorate highly desirable; prefer an individual with experience in data manipulation and analysis; desire two years research experience in psychiatry and/or medical epidemiology.

Medical Transcriptionist 930352-R. Psychiatry. Requirements: High school graduate/equivalent, some business or technical knowledge preferred. Resume with experience with WordPerfect, typing 70 wpm; knowledge of medical terminology.

Medical Secretary I 930375-R. Oncology. Schedule: Part time, 22.5 hours a week — usually Tuesday, Wednesday and Thursdays 9:30-3:30 in five weekends. Requirements: High school graduate/ equivalent, some business or technical knowledge preferred. Resume with experience in WordPerfect or similar word processing; typing 60 wpm; knowledge of medical terminology and medical transcription.

Programmer Analyst II 930667. Obstetrics and Gynecology. Requirements: Bachelor's degree in computer information systems or related discipline; three years programming experience. Resume and three letters of recommendation preferred. In one to two years experience in planning and marketing and/or experience in health care field preferred; know ledge of PC and WordPerfect.

Medical Research Technician 930668-R. Allergy and Immunology. Requirements: Bachelor's degree; must have theoretical knowledge of immunology and some experience in basic laboratory; prefer individual with practical experience of PCR and DNA sequencing.

Medical Research Technician 930669-R. Allergy and Immunology. Schedule: Part time, 15 hours a week — Mrs. John Doe in five weekends. Requirements: Minimum of two years college coursework with three weekends per year required to maintain the degree with one to two years experience in planning and marketing and/or experience in medical sciences would be helpful; resume and three letters of recommendation required.

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