3-5-1987

Washington University Record, March 5, 1987

Follow this and additional works at: http://digitalcommons.wustl.edu/record

Recommended Citation
http://digitalcommons.wustl.edu/record/403

This Article is brought to you for free and open access by the Washington University Publications at Digital Commons@Becker. It has been accepted for inclusion in Washington University Record by an authorized administrator of Digital Commons@Becker. For more information, please contact engeszer@wustl.edu.
Chromosome 11

Manic depression gene located by Washington scientist

Researchers have discovered a gene on human chromosome 11 that can cause or contribute to the development of manic depressive disorder. This finding, reported by a team of scientists from several universities — including a geneticist now at the Washington University School of Medicine — is the first report of a gene that predisposes individuals to a common psychiatric disorder.

These results may open a new era in the application of molecular genetics techniques to psychiatric disorders and provide a bridge between genetic and physiological approaches to psychiatric illness, according to Daniela Gerhard, Ph.D., an assistant professor of genetics at Washington University.

Manic depression affects approximately 2 million Americans. It usually develops between the teen-age years and the mid-30s. Though common, manic depression is quite treatable. Currently several drugs are approved for the management of the disease.

The Nature study involved the analysis of DNA taken from the white blood cells of 81 members of an Amish family residing in Pennsylvania. Because of their detailed family records and their avoidance of drugs and alcohol, the Amish have for many years been the subject of studies investigating the inheritance pattern of manic depressive disorder. The Amish family studied was one of the largest previously examined.

Aksyonov spent his youth in Stalin's labor camps, when his mother, noted historian Eugenia Ginzburg, was exiled to Siberia. Later, in Moscow, his attempt in 1979 to establish the uncensored periodical Metropol angered the Soviet government. In 1980, he moved to the United States to escape harassment stemming from the unauthorized publication in Italy of his novel The Burn.

Aksyonov's lecture is part of the Soviets writers' series, the Faculty of Arts and Sciences, the Office of Admissions, the Office of Student Activities, Student Union and the departments of Chinese and Japanese, Germanic Language and Literature, the Department of Russian, the Woodrow Wilson International Center and the Kennan Institute for Advanced Russian Studies.

Aksyonov is the author of 13 novels and several short stories and plays that explore the rebellious nature of Soviet youth, the illusions and realities of Communism and the problems of the post-Stalin generation.

Bears picked for NCAA tourney; will host regional

Washington University's men's basketball team, ranked 17th in the nation with a 20-6 record, has received a bid to this year's NCAA Division III postseason tournament, which begins this Friday, March 6.

The Bears also were informed on Sunday by the NCAA and the South Regional advisory committee that Washington University and its new Field House would be the site of this weekend's four-team regional.

The South Regional gets underway at 6 p.m. on Friday with the Dixie Intercollegiate Athletic Conference champion North Carolina Wesleyan (22-6) playing Collegiate Athletic Conference champion Centre (20-4). The Bears, who are the top-seeded in the four-team regional, will battle the Southern Intercollegiate Athletic Conference champion Rust College (19-8) in Friday's nightcap at 8 p.m.

The regional finals will be held Saturday with a consolation game scheduled at 6 p.m., followed by the championship at 8 p.m.

"Having the first round action on our home floor makes it all that much better," said Washington coach Mark Edwards. "By eliminating travel worries, lodging distractions and a foreign gymnasium, the season gains an advantage. It's much easier to prepare for postseason play when you adhere to a common routine."

In 1986, seven of the eight Division III regionals and all four quarterfinal games were won by the host institution.

The Bears are making their first Division III appearance and their fourth NCAA postseason appearance overall. In 1980 and '82, Washington competed in the College Division tournament, winning the '65 Southwest Regional.

"Since restarting basketball in 1981, it has been our goal to produce a competitive program at the national level," Edwards said. "Being selected for the NCAA tournament is a large step in that direction."

Since the tournament is an NCAA event, there is an admission charge to the regional. The Washington athletic department will sell a $6 tournament ticket on Friday night only that covers both Friday and Saturday nights. A $4 ticket will be sold for Saturday night's championship game.

Washington students will be admitted free to each session when presenting their student I.D. Any faculty and staff member may purchase advance tickets at the athletic department beginning on Wednesday.

"With our student body leaving for the spring break, we hope to get some strong support from our faculty and staff," said Edwards. "Having the first round action on our home floor makes it all that much better, and we are confident that Coach Mark Edwards. "By eliminating travel worries, lodging distractions and a foreign gymnasium, the season gains an advantage. It's much easier to prepare for postseason play when you adhere to a common routine.""
Sofas centerpieces of three-dimensional art

Eight life-sized works of three-dimensional art, incorporating sofas in their design, will be exhibited March 8 to 22 in Bixby Gallery. Bixby Hall. An artists’ reception will be from 3 to 5 p.m. Sunday, March 8, in the gallery.

Bixby Gallery Director Libby Reuter calls the exhibit “a tongue-in-cheek comment on art in our homes.” Works by the eight St. Louis artists range from a rock-like sofa with a lighted bar sign and kiddie-pool footstool, to a Victorian tableau of installation art, incorporating sofas with support from the Regional Arts Council, a state agency, and the Center for Interamerican Relations. Financial assistance was provided by the Missouri Arts Council, a state agency, with support from the Regional Arts Commission.

Five of the works also will be exhibited March 30 to April 12 on the second level of the St. Louis Galleria, Brentwood Boulevard and Clayton Road in Richmond Heights. “Over the Sofa” is an example of installation art, which emphasizes art as an environment rather than an object and actively involves the viewer in the art experience. To further illustrate this medium, the School of Fine Arts co-sponsored an installation art project with the St. Louis Public Schools’ School Partner- ship program. St. Louis artist Raisell Alperin directed 130 students from city and county high schools in the creation of a work of art. The city students are from the Honors Art Program, McKinley, Sumner and Vashon high schools, the county students are from Affton, Clayton, Park- way South and Pattonville high schools.

The concept sketch of Raizell Alperin’s camp installation, “Rustic Interior,” includes a lighted bar sign, rock-life sofa and kiddie-pool footstool. The actual piece will be exhibited with seven other three-dimensional works in “Over the Sofa” March 8-22 in Bixby Gallery.

1925 gypsy cabaret setting of light-hearted operetta revue

The Opera Theatre of Saint Louis will present “An Operetta Revue” at 1 p.m., Tuesday, March 17, in the Drama Studio, Mallinckrodt Center. The program, a light-hearted revue featuring famous operetta scenes, is part of the Assembly Series and is free and open to the public.

Set in 1925 at a gypsy cabaret, the revue will feature both comic and sentimental songs from “The Desert Song,” “Naughty Marietta,” “The Land of Smiles” and other popular operas.

The performance, directed by Christopher Alden, will feature sopranos Melanie Henton, tenor James Atherton, and baritones Thomas Goodheart and Gordon Hollemen. Alden, who works for opera companies throughout the United States, most recently directed “The Coronation of Poppea” for the Washington (D.C.) Opera. Helton has appeared with the Opera Company of Boston, as well as the Santa Fe, Houston Grand, Washington and Baltimore operas. Atherton has sung more than 25 roles with the Metropolitan Opera in New York. Goodheart has performed with opera companies throughout New England, and Hollemen recently appeared as Giussepe in Opera Theatre’s production of Gilbert and Sullivan’s “The Gondoliers.”

Opera Theatre of Saint Louis is one of the foremost regional opera companies in the United States. The performance is generously sponsored in part by the CAMELOT Special Projects Fund of the Arts and Education Council of Greater St. Louis, with additional support from the administration of the Saint Louis Galleria and the University. The performance is open to the public March 9 to 27.

Cuban exile writer to give reading

Cuban exile writer Reinaldo Arenas will give a reading and commentary at noon Thursday, March 9, in Hurlbut Düncker Hall.

The reading and commentary is part of the Assembly Series and is free and open to the public. Arenas is the author of six novels and several short stories and plays that explore the social and po- litical situation in Cuba and rural life in Latin America. Among his works are Halleucinations, an historical novel, and El Central, a book of poetry. His most recent publications include Necessidad de libertad, a collection of essays; and Persecucion, a book of five plays. Some of his books have been published in more than 10 languages.

A leading Cuban writer, Arenas was shipped by the Castro government to the United States in the 1970s as a part of the Marielito group.

Arenas has been a Guggenheim Fellow and was awarded the Cintas Fellowship in 1986. He has served as guest conductor at the University of Florida International University and the Center for Interamerican Relations. He lives in New York.

For more information on “An Operetta Revue,” call 889-5285.

Foreign Language Week — continued from p. 1

Saturday, March 21
8 a.m. German Play, “Leonie und Lena.” Urrath Hall Lounge.

For more information on Foreign Language Week events, call 889-5180.

Record
Students explore ‘world beyond our borders’

In the early 20th century, studying abroad was considered the province of the rich. Affluent students flocked to Europe for the chic “Grand Tour.” But times have changed. Opportunities for international study are now available to all students who make a certain commitment, including those who receive financial aid.

Foreign study is a popular topic on campuses throughout the country. ‘Many students, when applying to college, ask about study abroad opportunity,’ says James F. Jones Jr., Ph.D., professor of German and director of the institute, says 21 students will participate this summer. ‘That’s the highest enrollment we’ve had so far. Students are beginning to see the importance of expanding their education. They’re taking a broader view of the globe. ‘A university like this, with a first-rate reputation around the world, is yet another way.’” Epstein notes, “We are interested in our students participating in academic experiences abroad. I am not a travel abroad office. Study abroad is not meant to be an opportunity for students to see the world and get credit for it—without getting some academic benefits.”

**Schools’ offerings**

In addition to the College of Arts and Sciences foreign offerings, schools at Washington sponsor the following international study programs:

- **The School of Architecture**
  - holds the Summer Studio Preparatory Program in Barcelona, Spain, for graduate students. As part of the two-month program, approximately 15 students will work in the Barcelona design studio studying and sketching European architecture. Epstein invites attendees to attend a seminar on Spanish architecture and sculpture and living in an Arezzo monastery.

- **The School of Business**
  - offers second-year students in its Executive MBA Program a week of intensive study in Japan. As part of a required course titled “Management 708: Management in the International Department,” the 1987 class will visit Tokyo May 10–15. The class will tour major Japanese corporations such as Nippon Kokan and Mitsubishi Trading Co., whose accounts include many of the world’s largest advertising agencies, and Mitsubishi and Nippon Kokan, whose business accounts for 12 percent of Japan’s gross national product.

Other scheduled activities will

Continued on p. 8
Second-year medical students Rudy Fedrizzi (left) and Ken Adams spread the word about good health habits at Bayless Elementary School.

Last November, with help from the local division of the American Cancer Society, they formed a speakers bureau. Their goal? To share what they know about preventive health care with young people in the St. Louis area.

Alternating speaking assignments and usually working in groups of two or more, YHEP members discuss everything from general health care to specific concerns — such as drug abuse or how to conduct self-exams for breast and testicular cancer — with health classes, after-school groups and scouting troops.

"We wanted to apply our classroom knowledge to real-life situations," says Rudy Fedrizzi, a second-year student and YHEP's founder. "We wanted to have a positive impact on community health and a taste of what it's like to relate to patients — things we don't have a chance to do in school. Medical students are a resource just waiting to be tapped."

These feelings led Fedrizzi and his wife, third-year student Heidi Rinehart, to offer their ideas and services to the American Cancer Society, which agreed to handle their bookings and provide them with support, educational literature and materials such as coloring and comic books.

Next, Fedrizzi sent a recruitment letter to his fellow students.

"The idea appealed to me, but I didn't respond right away," says Kenny Adams, a second-year student. "I mean, between being in school all day and studying all night, who had the time? But I couldn't pass up the chance. I figured, I've got some medical know-how and I'd like to put it to use."

Matt Gary, also in his second year, agrees. "It was positive and I really wanted to do it. In college, I did lots of volunteer work with kids — I was a Big Brother and worked with church groups. Once I got to med school, though, there was so much work that I stopped doing community service stuff. I missed it. When Rudy's letter came, I was ready."

The medical school faculty also pitched in by donating slides that show the long-term effects of smoking on lungs. "Dr. Peter Tuteur is our biggest booster, and other faculty members have been very helpful," says Fedrizzi. "It shows that there's a deep interest in public health, not just theoretical matters, among the faculty."

YHEP presentations are tailored to the age levels, needs and interests of each group. "No two talks are alike," says Adams. "Each member brings his or her own style and talents to the presentations. We talk, show slides and answer questions. And the kids are great: the older ones are sharp and well-informed, the younger ones are sometimes very concerned about how to convince parents or older brothers and sisters to stop smoking or abusing alcohol."

It's the younger children that YHEP particularly wants to reach. "If we can talk to them before they reach junior high, when they're old enough to start making decisions but before they've been overwhelmed by peer pressure, we probably have a better chance of getting through," says Gary. "By the time you're in high school, chances are you've already been smoking down at the mall. It might be too late."

"Kids are impressionable," adds Adams. "There's a lot of misinformation out there, a lot of negative influences. Who's to set them straight? We hope we can help when parents and doctors can't. We're not that much older than they are, and we make it clear that we're also students, still learning. Because we're not authoritarian or threatening, maybe they're a little more willing to listen to us."

YHEP is now booked until April. Eventually, Fedrizzi hopes that all 20 members will be doing at least one presentation per month, thus reaching about 2,500 kids each year. He also hopes that YHEP survives long after he and his friends graduate.

"What we're trying to do," says Fedrizzi, "is to excite kids about their health, to let them know by respecting themselves and making responsible choices, they can take control of how they feel right now and later on. That's our message."

Evidently, that message came across loud and clear to a fourth-grader at Keyser Elementary School in Kirkwood. "Dear YHEPs," she wrote. "Thank you for sparing your time to talk to us. I now know that I will never smoke, and I wonder why people do! Thank you for the HEALTHMAN coloring book and telling us how to take care of ourselves. Your friend, Karen. P.S. I know you will be great doctors."

Tony DiMartino

Lung expert will deliver Flance lecture

An internationally recognized expert on the structure and function of the human lung will deliver the 11th annual J. Jerome Flance Lecture March 26 at the School of Medicine.

Ewald R. Weibel, M.D., professor of anatomy and chairman of the Department of Anatomy at the University of Berne, Switzerland, will discuss how lung structure affects gas exchange. His talk will begin at 9:30 a.m. in Clopton Auditorium.

The Flance Visiting Professorship in Pulmonary Medicine was established in 1976 by Flance's friends and colleagues to honor his outstanding contributions to teaching and to spur interaction between students and the best available minds in the field. Flance, who received his medical degree from the School of Medicine in 1915, joined the faculty in 1919 and is currently clinical professor of internal medicine.

Weibel is known as a pioneer in exploring human lung structure using microscopic techniques and detailed mathematical reconstructions. His work has helped develop a means of measuring structure-function correlations. Using noninvasive methods developed for the lungs, he has also helped advance new ways of using microscopy to understand the structure of complex organs and cells.

In addition to delivering the J. Jerome Flance Lecture, Weibel will participate in medical rounds and conferences during his three-day visit to the medical center.

Sommers named first recipient of oncology award

A fellow in the obstetrics and gynecology department at the School of Medicine has been chosen as the first recipient of the Oncology Fellowship Research Award from the Society of Gynecologic Oncologists (SGO).

Gara M. Sommers, M.D., a second-year fellow, was chosen out of a pool of 10 candidates representing 10 medical schools in the United States as the first recipient of the Oncology Fellowship Research Award. Created by the SGO to encourage promising young doctors to pursue basic cancer research, the award carries a $5,000 grant to support the recipient's work.

Sommers was honored for her research to treat cancer cells by using drug analogs, which are chemical compounds that are like certain drugs in structure but different in composition. Specifically, Sommers is testing various analogs of a powerful chemotherapy drug, Adriamycin, and trying to attach them to monoclonal antibodies that can bind directly to ovarian cancer cells. This direct delivery method is designed to treat tumors effectively while bypassing the heart, liver and kidneys.

The research was supported for the last three years by the F. William Sommers, M.D., fellowship, chapter of the Fraternal Order of Eagles. Adria Corp., which manufactures Adriamycin, provided quantities of the drugs to the project.

Sommers' lab training was supervised by Frederick Sweet, Ph.D., professor of reproductive biology at the School of Medicine.
Manic depression— continued from p. 1

and genetic bases of psychiatric disorders.

Of the 81 subjects tested, 19 were diagnosed as having manic depression. All 19 manic depressive individuals were found to carry a specific identifiable gene marker on the tip of the short arm of chromosome 11. It is possible that those factors could modulate the expression of the gene. Gerhard further stated that "the presence of this particular gene does not automatically mean its carrier will become manic depressive." Gerhard added, "that the presence of this particular gene does not automatically mean its carrier will become manic depressive." Not only do we carry a specific identifiable gene marker on the tip of the short arm of chromosome 11, but quite likely it is not the only gene carrying a risk for that disease. Depression is so diversified that other genes contributing to it probably exist.

The strategy used to identify the location of this particular gene is an extension of genetic linkage methods successfully applied to several other diseases over the past few years. Using these techniques to analyze human chromosomes from specific populations, scientists have recently determined that the gene for Huntington's disease is on chromosome 4, the gene for cystic fibrosis is on chromosome 7, the gene for inherited form of Alzheimer's dementia is on chromosome 21, and the gene for Duchenne muscular dystrophy is on the X chromosome.

In her future work at Washington, Gerhard will be deciphering the exact genetic identity of the depression gene. Because every gene is a template, or mold, from which a certain protein is produced, purification of the gene and the protein it encodes is likely to generate a burst of new information on the chemical basis of manic depression.

"I am really excited about the importance of Dr. Gerhard's findings because they provide the first really promising approach to understanding the genetic and molecular reasons for psychiatric disorders," said Daniel Harli, Ph.D., James S. McDonnell Professor of Genetics and head of the genetics department. "Research of this type will provide future treatments that we can scarcely foresee right now. The genetics department is very proud to have attracted a person of Dr. Gerhard's ability and potential."

Japan exchange program to foster research collaboration

Sinc faculty members from the School of Medicine will travel to Japan in 1985 to inaugurate a research exchange program between researchers at Washington University and the RIKEN, one of Japan's preeminent government-sponsored research institutions. Washington is the first American university to form such an exchange agreement with a Japanese research institute. In 1986, the Japanese government established a similar international exchange program between RIKEN and the Pasteur Institute in Paris.

The Washington agreement is with the Tsukuba Life Science Center of RIKEN, which traditionally has conducted chemical and physical research but has expanded its scope to include biological studies. The exchange program is designed not only to foster collaboration in research, but also to encourage scientists to share techniques and teaching skills, both at joint meetings and by exchange visits.

Many laboratories at our medical school and throughout the United States have benefited enormously from the work of Japanese colleagues," said David Schlessinger, Ph.D., who has helped arrange discussions for the exchange program. "Very few Americans, though, have had the benefit of a period of work at a strong Japanese laboratory, and true American-Japanese research collaborations have been relatively infrequent."

"This agreement provides a mechanism for a real exchange program, and is a spearhead for what can become an increasingly fruitful interaction. We are delighted to have Washington University as the first American institution designated for such a relationship."

The April 13-15 opening symposium at the Japan exchange program will be the second of two inaugural events; next spring, Japanese scientists will return a sister symposium at Washington University. At the Tokyo symposium, researchers from RIKEN and Washington will deliver scientific presentations on control of cellular interactions, with special emphasis on the immune system and growth regulation of cells. The meeting will be open to the public and is expected to draw its audience from both industrial and university laboratories.

Faculty members who will represent the School of Medicine in Japan include Harvey R. Colton, M.D., Harriet A. Schaff, M.D., Robert E. Laver, M.D., and Joseph M. Davie, M.D., Ph.D., professor and head of microbiology and immunology; Thomas F. Deuel, M.D., professor of biological chemistry and medicine; Elliott L. Elson, Ph.D., professor of chemical biology; and Eugene M. Johnson, Jr., Ph.D., professor of pharmacology. Others at the symposium are William H. Daughaday, M.D., Irene E. and Michael M. Karl Professor of Endocrinology and Metabolism in medicine; Philip Needleman, Ph.D., Alumni Professor and head of pharmacology; Carl W. Pierce, M.D., Ph.D., Wilmot and Rosswell Missing Professor of pathology and professor of microbiology and immunology; and David Schlessinger, Ph.D., professor of microbiology and immunology, and medicine.

Arrangements for the exchange program were made by Schlessinger and Davie, with Y. Ikawa, M.D., Ph.D., and F. Imamoto, Ph.D., of RIKEN.
Solon Beinfeld, Ph.D., associate professor of history, was a consultant on the film “Partisans of Vilna,” which will be shown March 8 at the Tivoli Theatre, 6350 Delmar Blvd. The Holocaust documentary co-sponsored by the Jewish community is co-produced with the Jewish Educational Film Library. The film chronicles and examines the extraordinary efforts of the few who survived.

Boyer Saucy, M.D., J.D., gave a talk titled “Disclosure and Informed Consent: Legal Risks in Clinical Practice” at the American College of Legal Medicine and the University of South Florida College of Medicine Seminar on “Managing the Risks of Clinical Practice,” held Feb. 5 in St. Petersburg, Fla.

Arthur E. Carlson, Ph.D., professor of accounting, recently was honored by the board of the Friends of the University City Public Library for his many years of service there. The Friends made a contribution to the School of Business in Carlson’s honor.

Alice Fugate, academic services administrator at the Center for the Study of Data Processing (CSDP), was invited to give a presentation on careers in the computer field for the Data Processing Management Association student chapter at Meramec Junior College. As part of a panel, Fugate discussed future strategies and career development for computer professionals. She also described the student internship program she developed at CSDP, and how internship experience has made it easier for Washington University students to enter the data processing field.

James W. Jones, Ph.D., visiting assistant professor of Germanic languages and literature, published an article arguing for homosociality in three dramas of the early Weimar Republic. The article appeared in the collection of papers given at the Hans Henny Jahnn Colloquium in Siegen, West Germany, 1986. He also contributed two poems to the new anthology Heartpieces: Wisconsin Poets for AIDS.

Charles R. McManis, J.D., professor of law, has written an article titled “Satellite Dish Antenna Reception: Copyright Protection of Live Broadcasts and a Doctrine of Anticipatory Infringement.” The article will appear in the Columbia Journal of Law and the Arts. The article is based on a presentation McManis made as a panelist for a joint session of the Association of American Law Schools’ meeting last year. McManis also has a non-cancel contract with the West Publishing Co. to produce a second edition of Unfair Trade Practices in a Nutshell. The second edition of the January issue of the Journal of Fair Trade Practices in a Nutshell is spring 1988. In addition, he appeared on a KTVI-Channel 2 evening newscast Dec. 9. He discussed the liability of social groups when their intoxicated guests are involved in accidents, and the Missouri Dram Shop Act, which concerns the liability of tavern owners when their patrons are involved in accidents.

A. Peter Mutharika, J.S.D., professor of law, declined to accept a fourth term as president of the International Third World Legal Studies Association at the association’s annual meetings held in Los Angeles. He is stepping down as president by David Salacuse, Brown University. Later in the spring Mutharika will take part in a symposium of law professors to be held at Cumberland Lodge, Windsor, England. The symposium is organized by the Commonwealth Legal Education Association.


Kimberly Ann Rice, a senior from Downers Grove, Ill., recently was named a 1986 Intercollegiate Tennis Coaches Association (ITCA) Scholar Athlete for her efforts on the tennis court and in the classroom. She was honored for her “...various tennis accomplishments and outstanding scholastic achievements with her team during her college career.” To be considered for this honor, an athlete must be a varsity tennis player, have a minimum cumulative grade point average (GPA) of 5.0 and be a junior or senior. Rice has lettered in tennis four years and maintains a 3.60 cumulative GPA while pursuing a degree in psychology. Co-captain for the second consecutive year, Rice boasts a 23-19 (.548) singles and 32-28 (.533) doubles record for a career record of 55-47 (53%) at Washington. This year 11 scholar athletes were chosen from Division III institutions. Rice is the second Washington player to receive this honor, the first being Kim Templeton in 1984.

Ervin Y. Rodin, Ph.D., professor of applied math and systems science, was named visiting chief of Computing and Mathematics With Applications Volume 128, Numbers 1-4 Symmetry: Unifying Human Understanding, which has been named the most outstanding single issue of a journal in the Eleventh Annual Professional and Scholarly Book Awards sponsored by the American Association of University Publishers. More than 200 professional and scholarly works ranging across the spectrum of science, art, history, and humanities were nominated for the awards competition.

How have you done something noteworthy?

Have you: Presented a paper? Won an award? Been invited to a commerice or elected as the recipient of a professional organization? The Missouri Journal of University Business will help spread the good news. Contributions regarding faculty, staff, or scholarly professional activities are gladly accepted and encouraged. Send a brief note with your full name, highest earned degree, current title and department along with a description of your noteworthy activity to Notables, Campus Box 1070. Please include a phone number.

Paris Prize-winner named Steedman architecture fellow

A New York City architect has been selected the recipient of the Steedman Fellowship in Architecture at Washington University.

George Queral, born in Havana, Cuba, was named by the Steedman Fellowship Governing Committee as the 1987-88 recipient. Need for Xunta Cruz of Washington, D.C., and Lorenzo Lucas of Providence, R.I., were selected first and second alternate, respectively.

The Steedman Fellowship provides $11,000 to an architect for a year of travel and architectural study abroad. Applicants for the fellowship are required to have graduated of a professional accredited architecture program. The winner is selected from a fellow of the American Academy in Rome.

Queral is an architectural designer for Skidmore, Owings and Merrill in New York City. His drawing was selected from 159 submitted in the national competition. The project involved designing an office for an architecture society within an existent building with specific requirements established by the governing committee.

The fellowship is a graduate of the Miami Dade Community College and the Boston Architectural Center. In 1984, he was awarded the ITCA scholarship and completed his cumulative grade point average (GPA) of 5.0, and was a junior or senior. Rice has lettered in tennis four years and maintains a 3.60 cumulative GPA while pursuing a degree in psychology. Co-captain for the second consecutive year, Rice boasts a 23-19 (.548) singles and 32-28 (.533) doubles record for a career record of 55-47 (53%) at Washington. This year 11 scholar athletes were chosen from Division III institutions. Rice is the second Washington player to receive this honor, the first being Kim Templeton in 1984.

Ervin Y. Rodin, Ph.D., professor of applied math and systems science, was named visiting chief of Computing and Mathematics With Applications Volume 128, Numbers 1-4 Symmetry: Unifying Human Understanding, which has been named the most outstanding single issue of a journal in the Eleventh Annual Professional and Scholarly Book Awards sponsored by the American Association of University Publishers. More than 200 professional and scholarly works ranging across the spectrum of science, art, history, and humanities were nominated for the awards competition.

If you are well qualified, you should have no trouble finding a graduate (engineering) school willing to support you while you pursue your doctorate and a college willing to hire you when you have earned your advanced degree,” says James M. McKelvey, Ph.D., dean of the School of Engineering at Applied Science. McKelvey’s comments, in the January issue of Graduating Engineer Magazine, were part of a four page urging engineering students to consider teaching.

"I predict that by the year 2000, American physical education will be so splintered by subspecialties that professionals in the field will be virtually unable to communicate with each other," says Lynn C. Immergut, assistant athletic director at the University of Pennsylvania. "I am willing to bet $1,000 on the first Islamic mosque to be built in Manhattan, the structure will accommodate 1,000 people and will serve members of the United Nations diplomatic corps."

Founded in 1925, the Steedman Fellowship in Architecture was named for James Harris Steedman, an 1899 graduate of Washington University. Steedman died after serving in the U.S. Naval Reserves in World War I as a first lieutenant on the U.S.S. Oklahoma. The fellowship was established in his honor by the Steedman family.

Jurors for the 1987-88 Steedman fellowship were Jerry Sohian, Nelson Robinson Professor Emeritus of Architecture and Urban Design, Harvard University; Colin Dollimore, architect from London and visiting professor at Washington’s School of Architecture; and Constantine A. Michaelides, dean of the School of Architecture.

University faculty and staff make news around the globe. Following is a digest of media coverage they have received during the past weeks for their scholarly activities, research and general expertise.

"The U.S. should get out of the loan business," says an Op-ed piece by Thomas J. Di Lorenzo, Ph.D., visiting professor at the Center for the Study of American Business in the Jan. 30 edition of the Philadelphia Inquirer. Di Lorenzo says that delinquent government loans have more than doubled since 1981, costing each taxpayer $500. He believes that selling off the federal government’s loan portfolio would save taxpayers millions per year in ineffective government collection activities.

"When the jungle turns to waste-land" is the headline of an article in the Feb. 22 New York Times regarding jungle deforestation. Peter H. Raven, Ph.D., Englemann Professor of Botany and director of the Missouri Botanical Garden, says this is a "biological catastrophe." Deforestation contributes substantially to carbon dioxide in the atmosphere, which causes temperatures to rise. But the most serious global problem that results will be the extinction of as many as one million species of biological specimens.
Davis proposes income-contingent student loan program

Opinion pieces written by the faculty have appeared in newspapers nationwide. These commentaries on national and international current issues have been published in such publications as The New York Times, The Wall Street Journal and The Christian Science Monitor. The Record will reprint selected op-ed pieces that have appeared in major publications.

By James W. Davis, Ph.D.
Professor of political science
(Reprinted from the Chicago Tribune)

In the budget it sent to Congress, the Reagan administration requests some $600 million to fund its newest version of a student loan program. New, but not necessarily better, the program is the cheap centerpiece of the president's budget calls for the elimination of the administration's educational assistance program. An undergraduate receiving a first degree could graduate owing as much as $18,000. An additional two years for an MBA could increase the debt another $20,000. So could two years for a master's degree in social work. Three years for a law degree would add $30,000 of debt. Work for a Ph.D. or M.D. would yield even more. Grad students have to go to work.

Leaving aside the financial horror of a well-educated couple marrying (the household debt could approach $400,000 before the first child is plugged in), consider the impact on different careers. A new MBA on Wall Street may be able to approximate a $180,000 national debt with the first-year-end bonus. A new associate in a New York law firm would have no reason to feel hard-pressed. But how about the teacher, or social worker, or civil servant, or Army officer, or art director, or former HMO manager (the children of most of us) may be years paying off their school debt, and must interest rate keep ticking. And remember, starting this year the interest on educational debt is not tax deductible, thus adding injury to injury.

A perverse result of all this is that those who go into lower-paying occupations may wind up paying more for their educations. The monthly payments will be smaller, but they will go on longer and interest on the unpaid balance will keep adding up. Bizarre is a word that comes to mind. We should want to provide incentives for bright young people to go into teaching, into research, into the arts, into public service, into the armed forces. The loan program now proposed by the administration will discourage entry into anything but the most lucrative careers.

As part of its revision of the president's budget, Congress should consider a serious income-contingent loan program. In such a program the amount of loan to be repaid would be contingent on the income of the borrower. One possibility would be a loan program with a fixed term and fixed percentage of income to be repaid. A well-compensated attorney or physician would be expected to repay the loan in full. A moderately compensated lawyer working as a public defender would not. A successful MBA would repay any borrowing in full. A first-grade teacher would not.

What this proposal illustrates, and what the administration's proposal ignores, is the need to link the amount of total repayment, not just the size of loan payments, to future earnings. Of course college graduates earn more, on average, than non-graduates and should be expected to pay something. But there is an enormous difference in earnings between a Peace Corps volunteer or pre-school teacher and a successful money manager or merger-maker. An attractive income-contingent loan program would recognize such differences.

But even a serious income-contingent loan program, as opposed to a mock program, is second best. What is vitally needed is a way to slow, then reverse, the growing dependence on loans to finance higher education. Loans may discourage education and skew the choice of career. Loans may appear particularly onerous to members of minority groups and to women. Further, loans ignore the social value of education. Loans suggest that education is just another private consumer good. And that is nonsense. Education is vital for the health of our economy and society. By cutting grants, employment, and subsidized loans, the administration does the nation a disservice.

Borrowing, with the cost of higher education by pushing loans and making their terms easier but more expensive is unimaginative and unlikely to work for very long. It is an idea that might have come from Detroit.

World-wide dancers reunite in Edison performance

The St. Louis Dancers (formerly the St. Louis Repertory Dancers) will present a spring concert at 8 p.m. Friday and Saturday, March 20-21, in Edison Theatre. The St. Louis Dancers, a company of professional dancers and guest choreographers, are dedicated to an eclectic repertoire marked by individuality and variety.

The performance will feature guest artist Janis Brenner, a winning-choreographer and former lead dancer with the Murray Louis Dance Company of New York. Brenner has performed throughout the world and has appeared with Rudolph Nureyev in performances in New York, Paris and London. She received the dance video award at the New York Dance on Camera Festival in 1986.

Brenner will be reunited with Michael Ballard, artist-in-residence at Washington University and Brenner's former partner in the Murray Louis Dance Company. Ballard has taught and choreographed in the United States, South America, Europe, North Africa and China. He was a soloist with the Murray Louis Dance Company, dancer and assistant artistic director with the Niklaus Dance Theatre of New York. Ballard co-authored a book with Kitty Cunningham, Conversations with a Dancer, which was published in 1986.

The program will include choreography by Mary Wagnon, the great pioneer of German modern dance; Murray Louis, world-renowned New York choreographer; Gale Ormiston, a member of the St. Louis Dancers; a former dancer with Nikolais at MIT; and artist-in-residence at Washington; and Annelise Mertz, choreographer of dance at Washington and founder and artistic director of the St. Louis Dancers.

Brenner will perform Wignons historic dance solos Pastoral and Dance of Summer. Ballard and Brenner will appear together in two duets from Louis Cleopatra, which originally was commissioned by the Royal Danish Ballet and performed in this country by the Jose Limon Dance Company. Ormiston's theatre piece Sequitur will feature a collage of works by Louis, Stein and Wolfgang Amadeus Mozart.

Mertz has expanded her popular piece, Pastoral, and will include a section for women, in effect creating a world premiere.

Tickets for the St. Louis Dancers performance are $10 to the general public; $8 for senior citizens, Washington University faculty and staff, and $5 for students.

For ticket information, call the Edison Theatre box office at 889-6543.

Mertz celebrates 30 years here

The St. Louis Dancers upcoming performance marks the 30th anniversary of Annelise Mertz's association with the Washington University dance division of the Performing Arts Department.

Mertz, a graduate in dance from the London Academy of Music and Dramatic Arts, became a teacher at Washington University in 1962. In 1974, Mertz founded the St. Louis Dancers, the University's dance program, which now has an annual budget of $1 million. The program includes 12 dancers, two pianists and a manager.

Mertz has been a frequent guest artist at the University of Missouri in Columbia, where she taught from 1978 to 1982.

Mertz has performed with the Maryse Chichetti methods, character dance, Spanish dance and Labanotation. She studied with Kurt Joos at the Folkwangschule in Germany, and with Joseph Hoffmann, Alwin Nikolais, Hanya Holm and Merce Cunningham in the United States. She has taught and performed internationally and was selected to be a candidate for the National Endowment for the Arts. She has been a member of the Joos Dance Theatre in Europe, the Berlin State Opera Ballet, and the Municipal Theaters of Dusseldorf and Dormstadt.

Mertz now delights her time teaching and choreographing. She has created more than 40 choreographies, including pieces for the New York City Ballet and the Detroit Centre of St. Louis and the Riverside Dance Festival in New York.

7
LECTURES

Thursday, March 5

Friday, March 6
4 p.m. Dept. of Chemistry Seminar, "The Mechanism of Ethylene Polymerization by a Co Catalyst." Maurice Brookhart, prof. of chemistry, U. of North Carolina. 311 McMillen
8 p.m. Committee on Comparative Literature Lecture, "Women as Spectacle and Commodity." Wendy's Like Dick Psalms. Gail Finney, assoc. prof. of German, Harvard U. Huron 200 D. Diner Hall

Saturday, March 7
4 a.m. Dept. of Psychology Colloquium, "Over the Sofa," installations by St. Louis artists. 10 a.m.-4 p.m. weekdays; 1-5 p.m. weekends. For more info, call 889-4523.
4 p.m. Dept. of Psychology Colloquium, "A Paradigm of Drosophila Genetics." John Eppig, graduate student in the WU dept. of biology. Steinberg Aud.

Monday, March 9
4 p.m. Dept. of Biology Seminar, "Travel Lecture Series, Friday," 8 p.m. Committee on Comparative Literature Lecture, "Women as Spectacle and Commodity." In the Sheldon, 3648 Washington Ave. Co-cert.

Tuesday, March 10
10 a.m.-5 p.m. weekdays; 1-5 p.m. weekends. For more info, call 889-4523.
4 p.m. Dept. of Mathematics Geometry Seminar, "Characteristic Classes, the Yang-Mills-Higgs Field." Toshifuma Futamase, research associate. WU Mathematics Bldg. 102 Eads.

Wednesday, March 11
4 p.m. Dept. of Physics Colloquium, "The Dynamics of Motion in General Relativity." Hiroshi Tani, prof. of physics, WU. 212 Crow.
4:30 p.m. Dept. of Mathematics Colloquium, "A Biographical Sketch of W. Gosset." Maurice Brookhart, prof. of mathematics, WU. 311 McMillen.

Thursday, March 12
4 p.m. Dept. of Mathematics Colloquium, "Corona and d Problems." John John, prof. of mathematics, UCLA. 199 Crow
Friday, March 13
3 p.m. Dept. of Psychology Colloquium with Suzanne McClain, McLean Hospital, Harvard medical school, Belmont, Mass. 102 Eads.
4 p.m. The Richard Rudner Symposium in Philosophy, "Writing, Aesthetics." A. Dana, prof. of philosophy, Columbia U.; and Ted Cohen, prof. of philosophy, U. of Chicago (Continues on Sat., March 14, from 2 p.m. to 5 p.m.) Steinberg Aud. For more info. call 889-6670.

PERFORMANCES

Friday, March 20
8 p.m. St. Louis Dancers Dance Concert in Edison Auditorium (Also Sat., March 21, at 8 p.m. and Sun., March 22, at 2 p.m.). General admission is $10; WU faculty and students, $5. For more info, call 889-6543.

EXHIBITIONS

"Published One Hundred First Books," an exhibit of first books by high-profile British and American authors, drawn from the WU libraries' collection of literature. Through April 30. Special Collections, Olin Library, level 5. 9-30 a.m. 5-p.m. weekdays.
"Modern Art," April 5 through April 16, Gallery of Art, lower gallery, WU. 1-5 p.m. weekdays. For more info, call 889-4923.
"Leslie Laskey Retrospective," March 15 to April 20, Gallery of Art, lower gallery, WU. 1-5 p.m. weekdays. For more info, call 889-4923.
"Vaughan Grylls Photo-Mosaic Murals," through April 5. Gallery of Art, upper gallery, WU. 1-5 p.m. weekdays. For more info, call 889-4923.
"Over the Sofa," installations by St. Louis artists. March 6-22. Balsley Gallery, Balsley Hall 10 a.m.-4 p.m. weekdays.

MUSIC

Thursday, March 5
7 p.m. Wind Ensemble Concert at Southern Illinois University Edwardsville Communications Bldg. Theatre. Free.

Friday, March 6
8 p.m. Musicians of Swansea Alley Concert, Sheldon. 3648 Washington Ave. Co-sponsored with the music dept. of the WU School of Music. St. Louis Symphony Orchestra. General admission is $18; students, $10. For more info, call 889-4923.

Sunday, March 8
3 p.m. Graduate Voice Recital with Laura Brady, graduate student in the WU dept. of music. Steinberg Aud.

SUNDAY, MARCH 15
7:30 p.m. William M. Schatzker, WU prof. of music, will conduct the University Chorus in "To Wyvern's Door," anthem by Vaughan chapel.

TUESDAY, MARCH 17
4 p.m. Opera Theatre of St. Louis, "An Opereetta Revue" Sponsored by Assembly of God Capitol Center.

FRIDAY, MARCH 20
8 p.m. WU Madrigal Singers Concert. Holmes Lounge.

WEDNESDAY, MARCH 18
5:30-7 p.m. WU Smoking Cessation Clinic. The non-profit seven-session program is sponsored by the National Cancer Institute in association with the Missouri Department of Health and the American Lung Association. Although the program is non-profit, a $40 deposit is required, which is returned at the end of the program. For more info, call 889-6527.

THURSDAY, MARCH 19
5:30-7 p.m. WU Seminar on Architecture and Urban Environmental Considerations. Sponsored by the Architectural Society of the Greater St. Louis area. Free. For more info, call 889-4523.

SUNDAY, MARCH 15
7:30 p.m. William M. Schatzker, WU prof. of music, will conduct the University Chorus in "To Wyvern's Door," anthem by Vaughan chapel.

TUESDAY, MARCH 17
4 p.m. Opera Theatre of St. Louis, "An Opereetta Revue" Sponsored by Assembly of God Capitol Center.

FRIDAY, MARCH 20
3:30 p.m. Women's Tennis, WU vs. Rhodes College. Too Tennis Center.

SATURDAY, MARCH 21
10 a.m. Men's and Women's Track and Field, WU. 101 Grant. 2:30 p.m. Women's Tennis, WU vs. U. of Wiscon-Wisconsin Whitewater Tennis Center.

MISCELLANY

Monday, March 16
7:30-9 p.m. "Adult Children of Alcoholic Patients," a program addressing how growing up with an alcoholic parent can impact on relationships. Sponsored by the Psychological Service Center. 115 Eads. Cost is $4.00. To register, call 889-6558.

Wednesday, March 18
5:30-7 p.m. WU Seminar on Architecture and Urban Environmental Considerations. Sponsored by the Architectural Society of the Greater St. Louis area. Free. For more info, call 889-6527.

THURSDAY, MARCH 19
3:30-5 p.m. University College Short Course, "The American Novel Today," Raymond L. Williams, WU assoc. prof. of English. 102 Crow. The course will end April 2. Cost is $80. Enrollment is limited to 20. To register, call 889-6508.
6:30-7:30 p.m. "Women, Much," a six-week group for women caught in a destructive relationship who want to explore other options. Sponsored by the Psychological Service Center. 115 Eads. Cost is $80. To register, call 889-6558.

Calendar Deadline

The deadline to submit items for the March 26-April 5 calendar is 5 p.m. in the Washington University Record is March 12. Items must be typed and sent in, date, place, name of event, sponsor and admission cost. Incomplete items will not be printed. If available, include speaker's name and identification, the name and date of the event, also include your name and telephone number. To sign up the Calendar, call Dave McCrory, calendar editor, Box 1070.

Students explore-continued from p. 3

The School of Fine Arts has a 100-year lease on art Studio 425 at the Cite Internationale des Arts in Paris, where the annual John T. Mil- like of styles and vehicles to live and work. After the traveling scholar, who is an outstanding graduating senior elected by the faculty, the order of priority for use of the stu- dio goes to faculty, graduate students and alumni, based upon a semi-annual open competition.
Carolyn Sanford

Botanical garden interpreted by 59 art majors

Graphic designers, photographers and illustrators at Washington University's School of Fine Arts will display their creative interpretations of the Missouri Botanical Garden, Paris, where the annual John T. Milliken Science Art Project. The exhibit is open from March 2-29 in Monsanto Hall, at the Garden.

Each of 59 junior and senior art majors have submitted at least one piece of their work to be exhibited. The art project has a goal of portray- ing Garden display areas, exhibits, history and special events in a varie- ty of styles and vehicles to live and work. After the traveling scholar, who is an outstanding graduating senior elected by the faculty, the order of priority for use of the stu-

The exhibit is open from 9 a.m. to 5 p.m. daily.