Reids contribute largest individual gift in business school's history

The John M. Olin School of Business has received more than $11 million from the estate of James W. Reid, the largest gift ever given by an individual to the business school. The gift was announced by Chancellor Mark S. Wrighton.

"This remarkable gift demonstrates that the Reids have a strong commitment to excellence in higher education and to Washington University," said Wrighton. "Through this gift, the business school will add another jewel in the crown of St. Louis." Greenbaum said: "This gift will support Olin's world-class research and teaching and sustain our momentum to the highest ranks among the world's centers of management education. A gift of this magnitude speaks volumes about the Reids' dedication to Olin and their unwavering belief in the strategic direction the school has chosen."

James Reid received a bachelor of arts degree from Washington University in 1955. Marcile Reid received a bachelor of arts degree from the University of Missouri in 1956. Both are retired from India General Electric Co. in St. Louis. The Reids' dedication to Olin and their unwavering belief in the strategic direction the school has chosen.

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A new collaborative program lets students study the history of the illustrated book

Sandler named vice chancellor; four others promoted

Benjamin S. Sandler, University treasurer, will become vice chancellor for financial policy, effective Sept. 30, according to Chancellor Mark S. Wrighton. Four other members of the University's financial and business division also have been promoted, according to Richard A. Roloff, executive vice chancellor. The promotions coincide with the retirement at the end of the month of Lee G. Weeks as vice chancellor for financial operations.

Sandler will become a member of the University Council, which comprises the chief administrative officers and deans of the University, all of whom report to the chancellor. His responsibilities will include financial planning and internal audit.

"Ben Sandler has provided excellent leadership in financial aid, financial planning, budgeting and institutional studies throughout his 30-year career at Washington University," said Wrighton.

Commission forms to examine Arts and Sciences curriculum

I n an effort to better offer undergraduate students the knowledge and skills critical to a quality educational experience, a new commission designed to assess the Arts and Sciences undergraduate curriculum has taken its first steps.

Appointed last spring by Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts and Sciences, the commission on the Undergraduate Curriculum in Arts and Sciences will convene a series of sessions for faculty and students this fall. Participants will examine arts and sciences curricula at universities nationwide, exploring and analyzing the resulting issues in subsequent meetings.

"Although our level of teaching and advising is of the highest quality, we're not always clear as to how various aspects of our curriculum meet our educational goals," said John Bowen, Ph.D., professor of anthropology in Arts and Sciences and chair of the commission. "We plan to consult with Arts and Sciences faculty, students and alumni to arrive at recommendations that answer a basic question: What do we want our graduates to know and to have experienced in their four years with us?"

Serving on the commission are the following College of Arts and Sciences faculty: Nina Davis, Ph.D., associate professor of Spanish and chair of the Department of Romance Languages and Literatures; Willem Dickhoff, Ph.D., professor of physics; Steven Fazzari, Ph.D., professor of economics; Wayne FIELDS, Ph.D., professor of English and director of the American Culture Studies Institute; Ronald Freivald, Ph.D., professor of mathematics; Jonathan Losos, Ph.D., associate professor of biology; James E. McLeod, vice chancellor for student affairs; Dean of the College of Arts and Sciences; and students; and faculty of Washington University for generations to come. We will always be indebted to them for their vision and for this vital support," he added.
Scientists create hepatitis C infection with genetic material

Scientists have infected animals with hepatitis C by inoculating them with copies of the virus' genetic material. The study, reported in a recent issue of Science, proves for the first time that the hepatitis C virus (HCV) alone is sufficient to cause the disease. This finding should aid in understanding this medically important virus.

"Although HCV was strongly linked to blood-transmitted hepatitis, it was still possible that an additional, unidentified agent was required for disease," said Charles M. Rice, Ph.D., director of molecular microbiology and head of the research team. "Our study essentially eliminates this possibility."

Research associate Alexandre A. Kolykhalov, Ph.D., is lead author of the paper. Scientists at the U.S. Food and Drug Administration (FDA) in Bethesda, Md., also played a pivotal role in the study.

The researchers constructed differing sequences of the virus's ribonucleic acid (RNA) — the genetic material of HCV — and inoculated them into chimpanzees. This enabled them to determine the necessary elements for infection. The availability of unlimited quantities of this well-defined RNA will permit precise studies of how the virus turns itself into a new virus. This information is essential to the development of better treatments for hepatitis C, the most common cause of liver failure in the United States.

Hepatitis C is a chronic disease that inflames the liver, producing fatigue and flu-like symptoms. The current therapy, interferon — fails to cure 80 percent of those infected. About 20 percent of people with chronic HCV develop cirrhosis, which leads to liver failure and, in some cases, liver cancer.

About 1 percent of the world's population is infected with HCV, though the rate may reach more than 10 percent in some countries. In the United States, the virus was the most common cause of transfusion-related hepatitis before the development of screening tests for blood donors and intravenous drug users.

想要 define the exact genetic sequence that causes the disease, the Washington University scientists derived copies of the virus's genetic material from a clinical sample of HCV. Like someone twirling a combination lock, they assembled overhanging pieces to create thousands of different clones.

Screening these clones, Kolykhalov identified 34 that might cause infection. Since the virus replicates poorly in cell cultures, FDA researchers Stephen Feinstone, M.D., and Kathrin Mikheil injected the 34 clones into chimpanzees in the liver of two chimpanzees, the only animal model for HCV infection. But neither chimpanze showed any sign of infection.

Rice's group then compared six of these clones to see which nucleotide occurred most often at each position. This consensus sequence — on paper that point — matched none of the previously sequenced clones.

The researchers therefore constructed lengths of RNA with the consensus sequence to see if these would prove infectious. They also made nine variants to include potentially important differences at or near the ends of the viral RNA.

The FDA researchers inoculated each of the 10 RNA sequences into different regions of a chimpanzee's liver. They used a different technique to inoculate the study lower doses into a second animal.

A week after inoculation, circulating viral RNA was clearly detectable in the animals' blood. In subsequent weeks, levels rose steadily. The animals' serum also developed markers for liver damage, and biomarkers revealed signs of disease in parts of the liver that had received certain of the constructs.

"The contrast between these results and those from our failed experiments provided some of the strongest evidence that at least one of the inoculated RNA sequences infections was infection," Feinstone said. And several tests confirmed that the circulating RNA was inside new virus particles and not just inoculum leaked from the liver.

Because the researchers had tagged the different RNA sequences with different genetic markers, they could determine how the inoculated infectious sequence was turned to infection. The consensus strain alone turned out to be sufficient to cause disease.

The group now wants to compare animals that get rid of the virus with those that establish a long-lasting infection. "We need to know what kinds of immune responses eliminate the virus and what kinds of immune responses the immune system if we're to develop effective vaccines or immunotherapies," Rice said.

"The ability to infect chimpanzees with a defined HCV sequence also provides an unprecedented opportunity for studying HCV evolution and the immune system's response," Rice said.

The availability of this infectious sequence of RNA also will enable researchers to delete HCV genes to see which are essential for replication. The products of such viral genes are attractive targets for the development of drugs such as protease inhibitors, which are so effective against HIV. Both Feinstone's group and Rice's group are transferring various cells with the cloned RNA in hopes of developing cell culture models and alternative animal models, such as mice. These systems would enhance studies of the infectious process and be a boon to the pharmaceutical industry.

Many companies are trying to develop better treatments for hepatitis C, but the lack of experimental systems for evaluating the effects of candidate drugs on HCV replication has hampered progress.

"The fact that interferon therapy works for at least 10 to 20 percent of patients tells you that hepatitis C is a curable disease," Rice said. "With better drugs, there's a reasonable chance we could control or perhaps eliminate this virus from the majority of people who are chronically infected."

— Linda Sage

Perlmutter studies common cause of infant liver disease

David H. Perlmutter, M.D., the Donald Strominger Professor of Pediatrics, and professor of cell biology and physiology, has received a five-year, $5.2 million grant from the National Institute of Diabetes and Digestive and Kidney Diseases to study the most common genetic cause of liver disease in infants.

The disorder, called alpha-1-antitrypsin deficiency, occurs in approximately 1 in 4,000, or 0.026 percent, of the world's population. Beta-1-antitrypsin, the enzyme that inactivates enzymes that chomp up protein, is essential to the body's connective tissue.

People with alpha-1-antitrypsin deficiency make an abnormally folded version that is retained inside liver cells, so it degrades the blood or body fluids to carry out its usual function.

Emphysema results from lack of a lung fluid. Apparatus of the cell.

In fact, by introducing the abnormal alpha-1-antitrypsin gene into skin cells from children with the deficiency, the Perlmutter laboratory has shown that cells from children with liver disease could not destroy the abnormal protein whereas those from children with the deficiency but no liver disease were able to break it down.

The new grant will allow Perlmutter to examine the biochemical steps by which liver cells destroy abnormal proteins. He and his colleagues then will develop assays for each biochemical step so that they can determine which patients are at risk for liver failure.

"The fact that interferon therapy works for at least 10 to 20 percent of people with alpha-1-antitrypsin deficiency have liver disease. Perlmutter and his colleagues hypothesized that these patients may be able to degrade the abnormal form of alpha-1-antitrypsin in the quality control apparatus of the cell."

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Architect Jo Noero builds better lives

Noero is firmly grounded in a social conscience — using fine form not as a monument to his own craft, but for making lives better.

"Architects are cultural entrepreneurs who, foremost a social art that is shaped by people and society," said Noero, the Ruth E. and Norman G. Moore Professor of Architecture. "In the last 30 years, there has been a movement for the autonomy of form in architecture that is independent of use, climate, materials and site. A lot of ground has to be recaptured. Architecture is very important to society and architects have an important role to play in that society."

Having been deeply involved in the anti-apartheid movement in South Africa, Noero understands the power of architecture to build projects to reverse the plight of the downtrodden. Working alongside Tutu and black community activists, he discovered how architecture — initially used by the South African government as a tool of oppression and racial segregation — could be transformed under the resistance movement to create a sense of hope and belonging.

In the early 1980s, Tutu appointed Noero as the architect for the African Christians in Transval, South Africa. Throughout the 1980s, Noero became involved in the effort to train local black people in construction skills and provide them with design skills and his experiences as a resistance activist.

"He is an extraordinary and deeply religious man who involved many people who were going into exile, he was one of the few people who still had a public voice. The way he dealt with the apartheid government was truly inspirational."

Throughout the next decade of tremendous political upheaval and change, Noero continued designing community-based projects in South Africa. In recognition of his work with the disadvantaged, Noero received in 1993 the prestigious Ruth and Ralph Erskine Fellowship from the Swedish Academy of Arts and Culture. Noero received the fellowship, which is presented every two years to an international architect, for his educational centers in Soweto and Duduza.

The creation of the Duduza Resource Center, for which Noero also won a 1993 Institute of South African Architects (ISA) National Award of Merit, was initiated by community members. The initial goal was to build a center to house informal educational projects to address a severe lack of basic skills among black residents. Open 24 hours a day, the multifunctional center is an integral part of the community.

Noero's joining the architecture faculty has deepened the school's commitment to understanding other architectural traditions and cultures and the importance of culture in architecture. She added that Noero's exemplary design skills and his experiences as a community-based practitioner bring in invaluable assets to his teaching. "We in the school strongly believe that architecture can powerfully enrich people's lives. We also believe this should be available to all people, advantaged and less advantaged," Weese said. "Jo's strong advocacy for the importance of fine buildings that reflect and respond to an entire culture is important to everyone at the school."

Tutu believes in a non-racially divided democratic society, and his commitment is unwavering," Noero recalled. "As head of the graduate program, Noero also plans to reintroduce the 150-credit hour degree for students to complete before obtaining a master's degree. "It will be a self-initiated project that will be reviewed by a board of National Architectural Accreditation Board and academies as the culminating point of a student's course of study," he said.

The idea of architecture being equal to, or necessary for, social solutions is a common theme in Noero's studies, said graduate student Mike Hauser, who last spring participated in a studio that "showed the importance of grassroots building projects and urban planning could be used to reverse urban decay along Market Street Road in St. Louis."

"Professor Noero stresses that people should be included in the dialogue on any community project," Hauser said. "There are always so many social issues involved that tend to get put aside when a developer makes all the decisions. He also really gets your mind going and makes you take a hard look at what is going to be used and who is going to use it."

"Architecture students are exposed to different fields of study, from engineering to cultural history to architectural theory to economics. The design studio can mirror any different fields are synthesized," Noero said.

Noero's belief in community empowerment and the restorative powers of a self-sustaining environment is demonstrated in a mixed-use housing project that Franke and he are currently designing in Johannesburg. The project links the disparate South African city of Wattville and Tamboville through a combination of low-cost housing, small business workshops, taxi stands, a marketplace, light industrial-use facilities (such as a fish hatchery, restaurant and greenhouse), and a productive landscape.

Noero's recent work under South African President Nelson Mandela's government has involved designs for a new court facility, housing projects, office buildings and community centers. His major projects include the construction of a youth sports center in Cape Town, which was commissioned by the South African National Sports Congress, and plans for 30 arts centers in rural South Africa, commissioned by the country's Ministry of Arts and Culture.

Understanding architectural culture

When he embarked on his professional career, Noero planned to become a doctor but had to drop out of medical school because, he said, he was unable to face a cadaver — let alone cut into one. He then developed an interest in architecture while traveling in Brazil.

He received a bachelor of architecture degree at the University of Natal in Pietermaritzburg, South Africa, in 1977. He went on to earn a master of philosophy in architecture in 1980 from the University of Newcastle-Upon-Tyne in England. In the mid-1980s, Noero became the first African architect to be awarded a prize by the University of Witwatersrand in Johannesburg and established what has become an award-winning international architectural practice.

Noero joined the Washington University architecture faculty last fall and became head of the school's graduate program. He was installed as the Ruth E. and Norman G. Moore Professor of Architecture on Aug. 29. (See story on page 6.) While he and his wife, Gillian, and their three children reside in a West Leeven Groves, Noero plans to continue his architectural practice in South Africa as well as establish the St. Louis-based Architecture Dean Cynthia Weese, FAIA, said Noero's joining the architecture faculty has deepened the school's commitment to examining other architectural cultures and the importance of culture in architecture.

"Americans say they have a housing problem, but there are wonderful buildings here that are vacant and could be used for housing," he said. "I come from a society where people build as they go to live. Here, people seem paralyzed to do anything.

Community empowerment is naturally built on the urban condition to the studio, as he guides graduate students in tackling theoretical design problems faced by the contemporary architect. As head of a self-sufficient community studio experience is essential to teach students how to develop workable design solutions to community problems.

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Lectures
Thursday, Sept. 11
8 a.m. Cancer research lecture. "New Strategies in Therapy for Pancreatic Can-
cer." Margaret A. Tempero, prof. of medi-
cine and deputy director, Eppley Cancer
Center, U. of Nebraska Medical Center, Omaha.
Neh. Clifton Aud. 4950 Children's Place.
8:00-9:00 a.m.

Monday, Sept. 15
Noon. Genetics and pharma-
ceutical seminar. "X-Chromosome
Mapping and Developmental Genomics.
"Drew L. Varsh. prof. of molecular
biology, of genetics and of medi-
cine. Biostatistics Library, Room 823
McDonnell Medical Sciences Bldg. 8:30-9:30 a.m.

Tuesday, Sept. 16
9 a.m. Psychiatry lecture. Eli Robins
Lecture: "Illusions of Memory: Remem-
bering the Past, Forgetting the Present.
"Henry Roediger, prof. and chair of
psychology, U. of Virginia.
Children's Place. 747-2680.

 Noon. Molecular microbiology/micro-
bial pathogenesis seminar. "Microbial
pilus: Biogenesis and Functions in Recog-
nition of Hosts." Mary J. McKinley, assst. prof. of
molecular microbiology. Cori Aud., 4565
McKinley Aud. 9:30-10:30 a.m.

12:10 p.m. Physical therapy research
seminar. "Cognitive Issues With
Cognitively Impaired Elderly." Carolyn
Basm, assst. prof. of occupational therapy
and of physical therapy education, St. Louis
University. Director of the Program in Occupa-
tional Therapy, Biostatistics Library, 362
Forest Park Blvd. 12:10-1:00 p.m.

Woman's Club holds annual "High Tea"
The Woman's Club of Washington University will hold a "High Tea" from 1 to 3 p.m., Sept. 17, at Six International House, Chancellor Mark S. Wrighton will address the group at 1:15 p.m. The tea is open to all club members and prospective members.

The annual event offers newcomers to the University community an opportunity to become familiar with the club's activities. The Woman's Club is open to women who serve as or are married to members of the University faculty, admin-
istration and staff. Alumni and female graduate students and postdoctoral fellows also are welcome for guests. For information, call (314) 863-4853.

Calendar
Exhibitions


Selectives, From the Washington University
Art Art collections. "Art in the Age of

"Site As Context: Schools of Art and

FILMS
Wednesday, Sept. 17
6 p.m. Chinese Film Series. "The Savage Land." Room 219 South Ridgley Hall.

9:35 p.m. "Molecular Genetics and Prognosis in Head and
Neck Cancer Patients." Seven Schonick, assst. prof. of otolaryngology. Genetics
Library, Room 823 McDonnell Medical Sciences Bldg. 562-7077.

Friday, Sept. 19.
11:50 a.m. Oncology lecture. "The Norman K.
Probstein Oncology Lecture. "Experience
with 3-D Conformal Treatment of 1000
Patients with Prostate Cancer." Gerald E.
Hanks, chair of radiation oncology. For
Chase Cancer Center, Philadelphia, Pa.
Scarpelli Aud., first floor, Mallinckrodt
Institute of Radiology, 510 S. Kingshigh-
way Blvd. 362-2666.

Saturday, Sept. 20
9 a.m.-3:30 p.m. African and Afro-
American Studies and European Stud-
in and influence." Europe: Russia, France and England." Women's Bldg. Lounge.

2:00-3:00 p.m. "The Newberry Consort in con-
cert. "American and Warm Musicians: Popular
Music and the Art Song in Late 17th-

Music
Friday, Sept. 19.
8 a.m. Violin and fortepiano recital. Program: Schubert. Christine Busch, violin; John Clinton, fortepiano. Steinberg Hall Aud. 9:45-4:00 a.m.

8 a.m. The Newberry Consort in con-
cert. "American and Warm Women: Popular
Music and the Art Song in Late 17th-

Performances
Wednesday, Sept. 10
8 p.m. Dance concert. "Dance Close-up.,
an informal dance concert by performing
arts and dance members. (Also Sept. 11, 12, and 13.) 8 p.m. Graduate and Undergraduate Music Building. Cost: $10; $7 for senior citizens, faculty, staff and students. To sit on the
student floor. 9:35-6:15 a.m.

Friday, Sept. 12
8 p.m. Edison Theater's "O'VATIONS!
series performance. Max Bick, baritone;
Bastian, soprano; Howard, tenor; and Francis, drummer. (Also Sept. 13, same time.) Cost: $23. Edison Theater. 9:35-6:53 a.m.

Missiology
Registration open for the following Office of Continuing Medical Educa-
tion programs at Washington University:
Cardiothoracic Surgery (Sept. 18-20) and
"Health and Wellness Task Force form-
ing and Female Urology" (Oct. 18). Erin F. Newman Education Center. For

Health and wellness task force forming
Volunteers are needed to assist in the University's effort to establish a
comprehensive Health and Wellness Program for the Hilltop Campus. Members of the Campus Health and Wellness Task Force, volunteers will be needed for existing programs on cam-
pus, design new ones and formulate a
plan for promotion and implementation.
Volunteers are asked to attend and staff are welcome to join the task force.

The general information session will be held at 7 p.m. Wednesday, Sept. 17, in the Women's Building Lounge. Attendees will be given materials to set the goals of the long-term program.

For more information, call Betty Loya, quality management coordinator for the Student Health and Counseling Services, at (314) 935-7386.

Visit Washington University's on-line calendar at http://eucal008.wustl.edu/calendar/events/v1.3
Croquet, anyone?

George Warren Brown School of Social Work students enjoy a school-organized get-together Aug. 23 on the Brown Hall lawn. Croquet players are (from left) second-year student Vivian Robinson; first-year student Heather Sauer; second-year student Kim Rosenstein and her husband, Rick; and first-year student Katherine Bien.

Scholars discuss meaning of desegregation

Charles Vert Willie, professor of sociology at the University of Southern California, is a member of the Eastern Sociological Society. In addition, he has served as president of the Commission on Mental Health.

Willie, who is also a professor at Columbia Law School, has lectured and written extensively on civil rights, black feminist legal theory, race, racism and the law.

A specialist on legal issues confronting black women, she created the legal team representing Avisa Hill.


The Mellon Fellowship's panel discussion following the lecture will be moderated by Gerald L. Early, professor of African-American Studies and Merle Kling, professor of Modern Letters in the American Languages and Literatures.

Willie and Early are both members of the Board of Trustees of the St. Louis University School of Social Work. The talk, which is free and open to the public, is part of the school's 1997 fall lecture series.

John Danforth to address 2004's vision for future

Former U.S. Sen. John C. "Jack" Danforth will speak on "St. Louis 2004: Vision for a Vibrate Community" at 1:10 p.m. Thursday, Sept. 18, in the Brown Hall Lounge of the George Warren Brown School of Social Work. The talk, which is free and open to the public, is part of the school's 1997 fall lecture series.

Danforth represented Missouri in the U.S. Senate for 18 years before retiring in 1994. Now a partner in the law firm of Bryan Cave LLP, Danforth has continued his public life through leadership roles in several community organizations.

Since August 1996, he has been chairman of St. Louis 2004, a 12-county, citizen-based effort to revitalize the St. Louis region through improvements in economic growth, education, capital projects, health care, the arts, culture and citizenship.

A major goal of the non-profit effort is to develop an agenda for the future of the St. Louis community.

Danforth also is president of InterACT-ST. Louis (Interfaith Action for Children Today), a non-profit organization he founded in 1995 to create opportunities for church members of all faiths to help inner-city youth. InterACT-ST. Louis seeks to broaden awareness of the plight of St. Louis children, to forge relationships, among congregations of diverse faiths and to create alliances between congruent faith-based organizations that serve disadvantaged youth.

He also serves on the boards of several non-profit organizations, including the Commission on Presidential Debates, the Congressional Jet Center Foundation and the Mellon Foundation, and he serves on the corporate boards of Corner Corp., The Dow Chemical Co. and General American Life Insurance Co.

For information, call (314) 955-7453.

Religion scholar Alter speaks on Hebrew Bible's double canonicity

Religion scholar Robert Alter will deliver a lecture titled "The Double Canonicity of the Hebrew Bible" at 11 a.m. Wednesday, Sept. 17, as part of the Assembly Series. The lecture will take place in Graham Chapel and is free and open to the public.

Alter is the Class of 1937 Professor of Hebrew and Comparative Literature at the University of California at Berkeley, where he has taught since 1967. He has written 17 books, focusing on such topics as the European novel from the 18th century to the present, contemporary American fiction and modern Hebrew literature. He also has written extensively on the literary aspects of the Bible. His book "The Art of Biblical Narrative" won the National Jewish Book Award for Jewish Thought.

Alter earned a bachelor's degree in English from Columbia University in 1957 and earned a master's degree in 1958 and a doctorate in 1962, both from Harvard University and both in comparative literature.

He is a member of the American Academy of Arts and Sciences and the Council of Scholars of the Library of Congress and currently is serving as president of the Association of Literary Scholars, Re-SEARCH and Critics. He twice has been a Guggenheim Fellow and has been a Senior Fellow of the Institute for Advanced Studies in Jerusalem, and an Old Dominion Fellow at Princeton University.

Football Bears open in record-setting fashion

Backed by the best statistical defensive performance in school history, Washington University opened the 1997 gridiron season with a 44-0 victory over Rhodes College (Memphis, Tenn.) Saturday, Sept. 6, at Francis Field. The Bear defense stymied the Lynx, holding them to 27 yards in total offense and 37 yards rushing, both WU single-game records.

The Bear offense was in high gear with 454 yards of total offense, including three first-half touchdowns.

Current Record: 1-0 (0-0 AAU)

This Week: 1:30 p.m. Saturday, Sept. 13, vs. Illinois College, Francis Field.

Men's soccer begins Joe Clarke era with a win

Under first-year head coach Joe Clarke, WU gained a 5-0 victory versus Fontbonne College on Wednesday, Sept. 3, in Fenton, Mo. The Bears broke open the game with five second-half goals. Senior Ross O'Toole started the outburst with the goal in the 50th minute.

Current Record: 1-0 (0-0 AAU)

This Week: 7:30 p.m. Friday, Sept. 12, vs. Trinity University, Francis Field.

Women's soccer opens with two 0-1 victories

WU's women's soccer team is off to a perfect start after winning a pair of 4-0 road games. The Bears opened with an overtime victory Saturday, Sept. 5, at St. Olaf College (Northfield, Minn.). Junior forward Lori Thomas scored eight minutes into the first overtime to tie for career point-scoring honors with 65. Sophomore forward Rachel Sweeney scored the game-winner Sunday, Sept. 6 at Carleton College (Northfield, Minn.).

Current Record: 2-2 (0-0 AAU)

This Week: 4 and 8:30 p.m. Friday, Sept. 12, at College of St. Benedict, St. Joseph, Minn.; 1 and 3 p.m. Saturday, Sept. 13, at College of St. Benedict Invitational, St. Joseph, Minn.

Men's cross country wins; women place second

Senior Tyler Small won the Northwest Missouri State University Invitational (Maryville, Mo.) Saturday with a course-record time of 17:47 (3.75 miles) to lead the Bears' cross country team to victory. Junior Emily Richard won the women's race with a time of 14:56.7 in the annual 2.2-mile race. The WU women finished second to NMSU.

Current Record: 1:30 p.m. Saturday, Sept. 13 Bears host Washington University Invitational, Tower Grove Park.
University inaugurates new program for the illustrated book

Since its conception in the mid-19th century, the printed book has proven a hospitable and versatile meeting place for the verbal and the visual arts. From early masterworks like Holbein’s “Dance of Death” to illuminated poems of William Blake to contemporary publications by artists like Leonard Baskin and Ross Korn and Art Spiegelman, the medium has steadily evolved into an arena of scientific and humanistic endeavor, with unique traditions, history and theory.

On Wednesday, Sept. 17, the University will inaugurate the Nancy Spirtas Kranzberg Center for the Study of the Illustrated Book, a new program devoted to the study of the illustrated book. The Center builds on the Libraries' expertise and is teaching a course in book design, which is teaching a course in book design, and now also serves as director of the graduate school of architecture.

Over the years, the Reids, who lived in Belleville, Ill., and later in Naples, Fla., gave generously to Washington University. In 1994, the Reid family established the Reid Center for Design and the Arts, which was named in honor of Marcile Reid, who died in 1996, and Marcile Reid, who died in 1963. The Center is the third largest of its kind.

The studio, a collaboration between the University Libraries, the School of Architecture and Arts and sciences, is held by the American Society of Architecture.

The studio, which has been supported by the Washington University community and the Reid family, is housed in the Red Ozier Press in New York. It is an American Society of Architecture, which was founded in 1952, and has been named in honor of Marcile Reid, who died in 1963.

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Introducing new faculty members

The following are among the new faculty members on the Hilltop Campus, all of whom will be introduced periodically in this space.

Philip M. Hubbard, Ph.D., assistant professor of computer science in the School of Engineering and Applied Science, joined the University in September 1997. Prior to his arrival at the University of North Carolina at Asheville, he was a postdoctoral associate in the Department of Computer Graphics from 1994-96. Hubbard received a bachelor's degree and an M.S. in computer science from the University of Illinois at Urbana-Champaign in 1991 and 1993, respectively, and a Ph.D. in computer science from the University of North Carolina at Asheville in 1997. His research interests include computer graphics, computer vision, and computer animation.

Panos Kouvelis, Ph.D., professor of operations and management management, will assume his new position here last fall, having previously served as associate professor at Duke University in the Fuqua School of Business. Kouvelis received a bachelor's degree from the National Technical University of Athens, a master's degree in business administration from the University of Southern California, and a Ph.D. in management science from Stanford University. His research interests include operations management, manufacturing, marketing, and marketing-manufacturing interfaces, manufacturing strategy and policy, and marketing applications.

Amar B. Rao, Ph.D., the Fossett Distinguished Professor of Marketing, was Elizabeth B. Fossett Professor of Marketing at the University of Toronto since 1995 and previously was Coca-Cola Professor of Marketing and Management Information Systems and head of the marketing department at the University of Arizona in Tucson. He received a bachelor's degree in technology from the Indian Institute of Technology in India, a master of science from Case Western Reserve University in Cleveland, and a Ph.D. from the University of Pennsylvania in Philadelphia. His interests include marketing and management, marketing management, and marketing strategy.

Jeroen Swinkels, Ph.D., professor of management economics and technology strategy, was associate professor at Nanyang Technological University in Singapore. His interests include operations management, management science, and economics of technology.

Frank C.-P. Yin, M.D., Ph.D., professor and chair of the new Department of Biomedical Engineering, will begin his appointment on Sept. 1. Yin arrived here from Johns Hopkins University School of Medicine in Baltimore, Md., where he was on faculty since 1978. Yin arrived at Johns Hopkins in 1975 and was a co-founder of the Johns Hopkins Biomedical Engineering Laboratory at the Hospital. He is a pioneer in the fields of biology and diseases and biophysics. Yin received his M.D. from the University of Michigan in 1967 and a medical degree in 1973, both from the University of California at San Diego.

For The Record contains news about a wide range of educational, professional, and personal activities. For information about submission guidelines, see pg. 923.
to treasurer. Both will report to Feiner.

businesses, becomes director of auxiliary
the University's financial operations,"