In a partnership with the city of St. Louis and Forest Park Southeast residents, Washington University has received a $2.4 million five-year grant from the U.S. Department of Housing and Urban Development (HUD) to establish a new neighborhood Center for Revitalization. The University, city and existing community-based organizations will work together through the center to revitalize the Forest Park Southeast neighborhood of St. Louis, using a pool of almost $8 million from the project's multiple partners.

"The HUD award recognizes Forest Park Southeast residents' outstanding efforts to reverse the deterioration and reclaim and restore their streets and homes," said William A. PecK, M.D., executive vice chancellor for medical affairs, dean of the School of Medicine and president of the Washington University Medical Center. "I am excited to see this kind of public-private partnership development between our neighborhoods and our outstanding community leaders like Washington University Medical Center," said Mayor Freeman R. Bosley Jr. "One of my priorities as mayor of this great city is to rebuild, revitalize and rejuvenate every street, block and neighborhood in St. Louis."

Promising partnership

HUD grant opens doors to Forest Park Southeast revitalization

The University, city and existing community-based organizations will work together through the center to revitalize the Forest Park Southeast neighborhood of St. Louis, using a pool of almost $8 million from the project's multiple partners. The University, city and existing community-based organizations will work together through the center to revitalize the Forest Park Southeast neighborhood of St. Louis, using a pool of almost $8 million from the project's multiple partners.

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Researchers have direct evidence that foods rich in Beta-carotene and Vitamin E may prevent heart disease

Body tune-up .................... 3
Shirley Sahrmann, Ph.D., says corrective exercise can alleviate aches and pains

A history of excellence ........... 6
The George Warren Brown School of Social Work celebrates its 70th anniversary

Dry skies predicted for inauguration day

Sometimes, numbers can tell a story better than words. Such is the case with the inauguration of Mark S. Wrighton, Ph.D., as Washington University's 14th chancellor. The festivities on Friday, Oct. 6, will mark only the eighth time inauguration proceedings have been held in the University's history. The series of events that day will be an important occasion for the University community and will include a symposium, a student festival and gala, a luncheon, a reception and the cornerstone installation ceremony. Here are some other numbers related to the inauguration festivities:

- 3,000: That's the number of chairs that will be set up in Brookings Quadrangle for the Installation Ceremony, which begins at 3 p.m. Another 100 chairs will be set up on Beaumont Pavilion for ceremony participants and the University Chamber Choir.
- And that's not all.
- 800: "There will be another 800 chairs on the floor of the Field House on stand-by in case it rains," said University Registrar Stuart D. Yoak, a member of the Inaugural Committee. "The Field House, when it's fully set up, holds more than 3,000."
- Mid-60s: That's the predicted temperature.

In case it rains, 100 chairs will be set up in Brookings Quadrangle for the Installation Ceremony, which begins at 3 p.m. Another 100 chairs will be set up on Beaumont Pavilion for ceremony participants and the University Chamber Choir. The Field House holds more than 3,000, so there's plenty of room for guests. In case it rains, the Field House is already set up with enough seating for all attendees. The Field House is also air-conditioned, so guests will be comfortable regardless of the weather.

Continued on page 2

Unanue receives one of science's highest awards

Emil R. Unanue, M.D., Edward Mallinckrodt Professor and head of the Department of Pathology, received the 1995 Albert Lasker Basic Medical Research Award on Friday for his pioneering work demonstrating how immune cells recognize invading organisms in the body.

The award — one of the nation's top honors in science — was established 50 years ago. Each year, the Albert and Mary Lasker Foundation recognizes scientists who have made significant contributions to biomedical research. Unanue will share the award with four other immunologists. Together, their discoveries have unraveled how the immune system is triggered into action to destroy foreign invaders. Their research, conducted over the course of 30 years, has revolutionized the science of immunology. Their work also has enabled medical science to understand autoimmune diseases such as rheumatoid arthritis and multiple sclerosis; to develop interventions against cancer; to design vaccines against viral infections; and to create drugs to prevent the rejection of organ transplants.
School of Medicine researchers have direct evidence that beta-carotene, other orange and dark-green fruits and vegetables, may prevent heart disease. They report their findings in this month’s issue of The Journal of Clinical Investigation.

"Epidemiological studies have shown that people who eat foods rich in beta-carotene and vitamin E have a decreased risk for heart disease, suggesting that vitamins with antioxidant properties might prevent atherosclerosis," said Jay W. Heinecke, M.D., assistant professor of medicine and of molecular biology and pharmacology. "So we looked for more direct evidence by feeding antioxidants to rabbits that had high levels of 'bad cholesterol.'"

"Some of the antioxidants did not inhibit the macrophages, the proteins are broken down into peptides, small fragments of proteins, that then are displayed as "markers" on the cell surface of macrophages. As such, the peptides clearly are recognized by the immune system's trigger cells, called helper T cells. Unanue's findings initially were greeted with skepticism by scientists who believed that macrophage fragments were scavenger cells, the pigment in carrots and pumpkins, and that immune responses were directed only against bacteria and viruses. But those beliefs have been stood, however, when other investigators replicated Unanue's work.

Unanue’s research focuses on immune system -- from page 1

"We focus on pathogens that are capable of long-term relationships with mammals rather than on those that go in with toxins blazing and blow the heck out of cells," he said.

The investigators are identifying novel drug targets -- key proteins in the parasites that can be disabled by compounds that are relatively harmless to humans. Russell is working with Leishmania, which afflict 12 million people. Spread by female mosquitoes, the disease (leishmaniasis) afflicts 12 million people. Spread by female mosquitoes, the disease kills 1 million people each year. Russell is working with Leishmania, which afflicts 12 million people. Spread by female mosquitoes, which causes amebic dysentery.

Davis G. Russell, Ph.D., associate professor of molecular microbiology, has received a four-year $2 million grant for Tropical Disease Research. He is the fourth researcher at the University of Washington to receive the grant.

"The study suggests that beta-carotene itself might be therapeutic in humans. "But we need human data before we can make any recommendations about whether people should be taking supplements," he said. Heinecke said. A large-scale human trial, the Physicians' Health Study, is giving participants daily doses of beta-carotene and/or aspirin, but it will not be completed for several years. Meanwhile, he said, Heinecke, eat your vegetables.

Grant establishes Tropical Disease Research Unit in St. Louis

"We have found that the peptides bind to the major histocompatibility complex (MHC). The MHC regulates an individual's genetic variability to disease. Unanue later determined that the protein fragments bind to the MHC inside the macrophage, and together they are displayed on the macrophage's surface. In a landmark paper published in 1985 in the journal Nature, he and colleagues demonstrated that it is the MHC-protein fragment complexes that activate the immune system's T cells to initiate an immune response. Strominger and Wiley deciphered the 3-D atomic structure of the MHC, showing in extraordinary detail how the peptide binds to the MHC.

Unanue has headed the Department of Pathology since 1985, when he came to Washington University from Harvard. Since his arrival, he has been the major driving force behind establishing the School of Medicine as one of the major immunology research centers in the world. Unanue's immunology pursuits have won him membership in several academies and societies, including a National Institutes of Health Research Career Award, a Guggenheim Fellowship and memberships in the National Academy of Sciences and the American Academy of Arts and Sciences. Caroline Decker
Body mechanic Sahrmann fixes aches, pains

When faculty members at the School of Medicine get low backaches, stiff shoulders or bun knees, who do they call? Shirley Sahrmann.

Sahrmann, Ph.D., associate professor of physical therapy and end of seniority, is internationally renowned for curing aches and pains through simple exercises.

She is in high demand on the international speaking circuit that she has to decline many offers or she would have no time to treat patients, teach or conduct research.

"She has a world-class reputation," said William M. Landau, M.D., professor of neurology and former head of research.

To land the job as a physical therapist, Sahrmann, who also did not set out to become an expert on what she refers to as 'common syndromes,' she was more interested in working with stroke and polio patients.

"I love graduating from Washington University in 1958 with a bachelor’s degree in physical therapy, Sahrmann took her first job as a physical therapist at Deaconess Hospital. But within a year she was recruited back to the University to work for its new Irene Walter Johnson Institute of Physical Therapy.

In a landmark study, she and Barbara Norton, instructor of physical therapy, showed that the hyperactive reflex problem of hemiplegia is not the primary cause of the movement problems. Sahrmann was puzzled that polio patients could be paralyzed more extensively than hemiplegic patients yet perform the same functional activities with less difficulty. Like many others in the field, she thought the hyperactive reflexes of stroke patients were the complicating factor because polio patients’ muscles aren’t as hard-wired or as tight as what we had thought," Sahrmann said.

"I began analyzing muscle imbalances in any individual. We all move in our own individual way," she said. "I have been following her exercises for 10 years now."

"I believe in making patients active participants in resolving their pain syndromes."

learned that his exercise program was inadequate. Sahrmann taught him appropriate stretching exercises to do before and after his running regimen. He not only alleviated his knee pain but also improved his time on the 10-kilometer run by two minutes.

"If the wheels aren’t balanced and aligned, they wear out funny and don’t last long," Sahrmann explained. "People spend a lot of time and money making sure their teeth are straight and white for cosmetic reasons, and don’t last long."

"The 'gut buster' and those other devices that passively exercise your teeth are straight and white for cosmetic reasons, and don’t last long."

"The body is like the tires on your car," Sahrmann said. "If the wheels aren’t balanced and aligned, they wear out funny and don’t last long.

"The physical therapy community was not very happy about this finding because so many of our treatment techniques had been directed at alleviating spasticity," Sahrmann said.

In a landmark study, she and Barbara Norton, instructor of physical therapy, showed that the hyperactive reflex problem of hemiplegia is not the primary cause of the movement problems. Sahrmann was puzzled that polio patients could be paralyzed more extensively than hemiplegic patients yet perform the same functional activities with less difficulty. Like many others in the field, she thought the hyperactive reflexes of stroke patients were the complicating factor because polio patients’ muscles aren’t as hard-wired or as tight as what we had thought," Sahrmann said.
Exhibitions
"The Kreemt of Senses: Celebrating the Becker Rare Book Collection in Ophthal-
moscopy" printed copies of the text and the visual sciences from four centuries.
Through Dec. 22, Glazer Gallery, The Ber-
nard Becker Medical Library, 660 S. Euclid
Ave. Hours: 9 a.m.-9 p.m. weekdays; 1-5
p.m. weekends. 362-4239.

"Motherwell in St Louis: A Selection
of Abstract Expressionist Robert Motherwell for
"Motherwell in St Louis: A Selection
from 'Carmen,'" by Georges Bizet, and
and "The Control of Muscle Differentiation:

Wednesday, Oct. 11
7 and 9 p.m. Filmboard Foreign Series.
"Under the Roofs of Paris" (1930, B&W),
French with English subtitles. Directed by
René Clair. (Also Oct. 12, same times.)
7 p.m. Japanese Film Series. "A Taxi-
Wagon Woman" (1987), with English sub-
titles. Room 915 in Olin Library.
Fri.

Friday, Oct. 13
7 and 9:30 p.m. Filmboard Feature Series.
"My Own Private Idaho" (1991), starring
River Phoenix and Kiefer Sutherland. (Also
Oct. 14, same time.)
Midnight, Filmboard Midnight Series.
"The Princess Bride" (1987), directed by
Rob Reiner. (Also Oct. 14, same time.)

Performances
Saturday, Oct. 14
8 p.m. Edison Theatre presents "An Old-
Fashined Barn Dance," a participatory
event. Features Rhythm in Shoes, a com-
pilation of cloggers, step-dancers, tap dancers,
modern dancers and comedians. Co-hosted
by FolkFire. All dances will be taught.
Singles and couples of all ages are wel-
comed. Holmes Lounge, Ridgley Hall. Cost:
$4 for general public; free for WSU students
with valid ID. 935-6543.

Miscellany
Thursday, Oct. 5
10 a.m. -2 p.m. Law Day. Students inter-
ested in law school have an opportunity to
speak with representatives from more than
30 schools. Sponsored by the Pre-Law
Office in the College of Arts and Sciences.
Graham Chapel. 935-5016.

Calendar guidelines
Events sponsored by the University — in
departments, schools, centers, organizations
and libraries — are published in the Calendar.
All events are free and open to the public, unless other-
wise noted.
Calendar submissions should state
time, date, place, title, ticketing and fee
information, name of speaker(s) and affiliation,
and admission cost. Generally, deadlines are
through Dec. 13. All events must be described.
Please contact us with descriptions are welcome.
Send items to June Rolland at Box 1070 (or fax 935-
4259). Submission forms are available by calling
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4259). Submission forms are available by calling
935-4826.
Inaugural Symposium
"Learning and Discovery: Gateways to the 21st Century"
9:30 a.m. to 10 a.m.

Panel 1: "Learning to Learn: The Technology Discovery" 10:15 a.m. Break

Panel 2: "New Century, New Planet: Disengagement and its Impact" 11:45 a.m. Closing remarks by Chancellor Cook Robertson, Ph.D., May Auditorium, Simon Hall

Inaugural Festival (student event)
Noon-2:30 p.m. Brooks Plaza
(Rain location: lower level, Mallinckrodt Center)
For more information, call the Inauguration Office at 935-8161 or the inauguration hotline at 935-0014. Other updates may be obtained from the Washington University Record, the Student Daily, and the Washington Post and is a commentator for CBS and National Public Radio. He also edits his own newsletter, "American Political Report." Phillips received his L.L.B. from Harvard Law School in 1964 and went on to work as an administrative aide to U.S. Rep. Paul Fino until 1968. He served as chief political strategist for the Republican Party during the 1968 presidential campaign. He has been a media consultant to the U.S. Department of Justice and the Republican National Committee. Phillips is an astute political forecaster. His books include "The Politics of Rich and Poor: Wealth and the American Electorate in the 1980s" (1987), "Bush: A Choice Between Two Debacles" (1993) and "The Faith of '92" (1996).

Asian conference geared to all teachers
The Joint Center for East Asian Studies is planning an Asian conference geared to all teachers, as well as a series of workshops to provide college faculty who are not specialists with an overview of the most current information in various fields of Asian studies.

"We're introducing a special one-day workshop for elementary and secondary teachers, as well as a series of briefings to provide college faculty who are not specialists with an overview of the most current information in various fields of Asian studies," says Robert E. Hegel, Ph.D., program chair for the conference and professor of Chinese at Washington University.

More than 300 attendees are expected to attend the weekend confer-
cence, which also features scholarly presentations on issues ranging from "Ideology and Conflicts in Diao Da's Poetry" to "The Development of Securities Markets." Improving Asian studies curriculum and teaching methods is a special focus of the conference.

"Asia in the Curriculum: Challenges for the 21st Century" is the theme of the workshop for elementary and secondary teachers to be held from 8 a.m. to 3 p.m. Oct. 13. National experts on bringing Asian studies into K-12 course work will lead day and briefing sessions throughout the conference on such issues as Korean unification, U.S./Japan trade, and Asian connections to U.S. history. The conference and all related workshops are open to the public.

A special one-day workshop for elementary and secondary teachers, as well as a series of briefings to provide college faculty who are not specialists with an overview of the most current information in various fields of Asian studies.

Op. 6, No. 3, 1 p.m. played by the orchestra's strings with Elizabeth Macdonald, coordinator of strings; conducting, Nicole D. Willemsen, a fourth-year student at Washington University, and Raghub T. Bakhmathan, a junior majoring in biology, will perform the violin solo.

For more information, call 935-5581.

Serving performance rescheduled for Oct. 5
B ecause of a campus power outage that forced the cancellation of the Sept. 29 WU Invitational, the Cross Country Department's "The Servant of Two Masters," an additional staging of the show has been scheduled for 8 p.m. Thursday, Oct. 5, in the Drama Studio, Room 235. The play is sold out for the regularly scheduled shows at 8 p.m. Oct. 6 and 7, but tickets remain for the final show at 2 p.m. Oct. 8. For more information, call 935-6543.

For more information, see the Washington University Record, the Student Daily, and the Washington Post and is a commentator for CBS and National Public Radio. He also edits his own newsletter, "American Political Report."
George Warren Brown to celebrate 70th anniversary

More than 300 alumni of the George Warren Brown School of Social Work are expected on campus Oct. 13-15 to celebrate the school's 70-year history as an official entity at Washington University.

"Innovations in Social Work" is the theme of the school's 70th anniversary celebration, which will include informational seminars, social events and fun for the school's alumni, faculty and staff.

"George Warren Brown is celebrating the successes of its past 70 years by taking a hard look at issues that are shaping the future of social work," said Dean Shanti K. Khinduka, Ph.D. "Innovation will be the hallmark of the day as faculty and workers are given fewer and fewer resources to meet the many social challenges of the next century.

A major focus of the celebration is a series of panels and discussions on critical social work issues that will include nearly 100 presentations by the school's own alumni and faculty.

"George Warren Brown graduates are widely recognized as leaders in the field of social work," Khinduka said. "The fact that we can put on a conference of this caliber using only our own alumni and faculty is a credit to the school's long history of excellence and the stature its graduates have attained in the field."

Speakers include Robert Greenstein, executive director of the Center on Budget and Policy Priorities, a Washington, D.C.-based think tank that analyzes budget and policy issues affecting lower-income Americans; and Ralph Morrow, Ph.D., emeritus professor of economics, who recently completed a book on the University's history.

"George Warren Brown's presence at Washington University is a direct result of the St. Louis community asking for such a school to be established," Morrow said.

A "Training Course for Social Workers" was established at the University in 1925 as a direct result of a proposal from a community organization concerned about the future of social work education in St. Louis, Morrow said. The University agreed to start the program only after the community group offered to pay the first three years of the faculty cost, with the school taking over the faculty who would be hired from the University of Minnesota to direct the program.

When the University signed on to bring social work to its campus in 1925, it committed itself to the program and budget priorities, Morrow said. "Today the school not only survives its initial trial period but has gone on to become a national leader, tying for second in the most recent ranking of the nation's best social work schools by U.S. News & World Report."

Khinduka is quick to emphasize that the University's commitment to social work continues to pay off for the University. "George Warren Brown is a model of community service in a high-priority need for the students of St. Louis," she said. "And what is really exciting is that the commitment will help the neighborhood achieve its goal of upgrading its infrastructure.

Forest Park Southeast lies south and east of Washington University Medical Center. Consisting of more than 45 city blocks, it is bounded by U.S. 40 on the north, Kingshighway on the west, Vanderheide Avenue on the east, and Missouri Pacific railroad tracks on the south. It has more than 4,000 residents, nearly 2,000 residential units and about 170 commercial, institutional and industrial buildings.

Following an era of decline in the 1960s, Forest Park Southeast became a stabilizing force in the early 1980s because of a wellspring of community pride and commitment and successful redevelopment efforts. Over the past decades has brought gangs, guns and drug dealers to its streets and stores. Many buildings have been maintained or restored, portions of the neighborhood's early century, the level of volunteerism is high, and there is enviable economic and community. The area enjoys proximity to Forest Park and the medical center, has extensive public transportation and is accessible to I-70, major thoroughfares and regional landmarks.

"Washington University, the city of St. Louis and the Forest Park Southeast neighborhoods are to be congratulated on their success and are truly blessed in having top-quality people in the GWB family," Khinduka said. "I believe we are up to the challenge. The secret to the success of a neighborhood is the quality of its people, students, faculty, alumni, friends, staff and supporters. And we are truly blessed in having the top-quality people in the GWB family."
School of Medicine employees recognized for years of service

The School of Medicine recognizes the following employees for their years of service and dedication. These employees have reached or will reach a milestone in their careers. Employees receiving service recognition are listed below.

30 years of service

Claudia Beatty
Jamaica Bland
Jane Eickert
Jane Eickert
Louis Harris
Thomas Howard
internal medicine

25 years of service

James Barnes
Chester Beavers
Kenneth Clark
Phyllis Feagans
Jane Fitch
Walter Gregory
Larry Johnson
Vera Johnson
Jane Eckert
John White
Annette Kyles
Edward Walter
Internal medicine

20 years of service

Joel Achtenberg
William Beaudet
Linda Butler
Mary Cameron
Patricia Clayton
Virginia Cielumbo
Mary Dillingham
Vicki Friedman
Poppy Gardner
Loretta Giaiello
Mary Hartman
Clare Hargis
Valerie K PACK
Lawrence Kang
Kathy Lacy
Krista Leavitt
Adult Clinical Research Center

15 years of service

Karen Abraham
Debra Adams-Ingham
Karen Altstadt
Winfred Angile
Jean Anon
Mary Austin
Luisa Bailey
Truman Bailey
Theresa Beiler
Colene Bended
Marlisa Bradley
Charity Bright
Marjorie Chockley
Mary Crecy
Jeanette Cunningham
Henry Curtiss
Terri Daniels
Christopher Davis
Linda Dickey
Barbara Dickson
Thomas Faller
Josephine Fitch
Kathleen Georges
Linda Grant
Joel Gold
Jeanette Goldsmith
Mary Gordon
Patricia Hall
John Harper
Martha Hill
Gary Hoffman
Ena Holland
Jane Stuart Hutsch

10 years of service

Jeannette Jones
Willie Jones
Joyce Kalayeh
Bonnie Kelly
John Kreiter
Lucille Lewis
Regina Meyer
Martin Olfert
Deborah Peterson
Pamela Picherski
Kenney Price
Sheryl Stichling
Nicholas Stobbe
Patricia Teichgraber
Kathryn Thoiken
Mary Toon
Northwest Vannison
Adelaida Villadiego
Ann Vlasic
Daryl Viviano
Stanley Walker
Norman Warnbrodt
Tamra White
Robert H. Young
John Witte

20 years of service

Zelma Jones
Joyce Fitch
Judith Bodnar
Vickie Kamp
Willie Brooks
Vera Johnson
Jane Eckert
John White
Annette Kyles
Edward Walter

20 years of service

internal medicine

25 years of service

internal medicine

15 years of service

internal medicine

30 years of service

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12 presidents to attend inauguration — from page 1

Marine Transport Requirements: Bachelor of science’s or associate’s degree in transportation, experience in acting as a data-control coordinator, working data-processing work as well as several projects

Department Secretary 960077-R. Requirements: Assistant Director of Recruitment
Re: Bachelor’s degree in business or related field; three years related experience in recruiting; ability to stay calm under pressure; ability to communicate in writing; ability to work both independently and as part of a team. Application required.

Practical Advisor 960022. Undergraduate Admission. Requirements: undergraduate college student; ability to relate to prospective students and parents; enthusiasm for higher education; previous work experience desirable; leadership skills; self-motivation; ability to perform in a fast-paced office setting with a "get-it-done" attitude; willingness to work long weekends and holidays; ability to work well under pressure; a sense of humor. Application required.

Assistant Director of Recruitment 960080. Requirements: bachelor’s degree; 2 years of related experience; strong organizational skills; good communication skills; dexterity; willing to work independently and as part of a team. Application required.

Assistant Director of Recruitment 960081. Requirements: Bachelor of science in business or related field; experience in human resources; excellent communication skills; self-motivation; availability to work evenings and weekends. Application required.

Division Administrator 960029-R. Requirements: bachelor’s degree preferred; excellent understanding of environmental policies and regulations; laboratory and clinical occupational health.

Medical Record Technician 960078-R. Requirements: Bachelor of science or associate’s degree in health information technology; experience in medical technology (ASH) or equivalent; two years related experience; knowledge of laboratory systems and information processing. Application required.

Clinical Laboratory Technologist 960079-R. Requirements: bachelor’s degree in biology or related field; good communication skills in tissue culture, chromosome quenching and assembly software. Application required.

Analysis of Student Activity 960071-R. Requirements: Computer Science, Statistics or Information Management; experience in SAS programming. Experience in a research laboratory or in an academic setting beneficial. Understanding of environmental policies and regulations; laboratory and clinical occupational health.

Analysis of Student Activity 960072-R. Requirements: Experience in SAS programming. Experience in a research laboratory or in an academic setting beneficial. Understanding of environmental policies and regulations; laboratory and clinical occupational health.