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University's commitment to become a world-class provider of career-long learning opportunities. 

The structure, to be built directly east of Anheuser-Busch hall and north of Simon Hall, will enclose more than 120,000 square feet. Groundbreaking will be in early 1999, and the facility should be finished in 2001. 

Unique to this part of the Midwest, the structure will include classrooms, group study rooms, dining facilities, several lounges, a distance-learning studio and 65 units providing overnight lodging. Because it will offer learning and lodging in an integrated environment — so that executive students no longer will need to go off campus for overnight lodging when they have classes — it is expected to attract participants from an even wider geographic area than the school now serves. 

"The trustees' decision to build this structure signals the

Autumn air

The crisp fall weather entices many outside to read and study, including freshmen Derek Ho and Alison Schewe, enjoying the shade in Brookings Quadrangle.
Bears

Weekend of home openers brings victories
—from page 1

fourth-quarter points to beat the Crusaders. Sophomore kicker Wesley Flatek’s 27-yard field goal with 10 seconds remaining sealed the Bears’ biggest comeback under head coach Larry Kindbom (WU ’91) and kept Wittenberg’s scoreboard on eight of the Crusaders’ final nine possessions. In contrast, the Bears scored all five field goals inside Wheaton’s 20-yard line (four touchdowns, one field goal).

The men’s and women’s cross country teams both swept through the field of the WU Invitational Saturday at St. Louis’ Tower Grove Park. Senior Emily Richard (18 minutes, 35.00 seconds) emerged victorious on the women’s side, while junior Tim Joffin (20:54.23) finished fourth and senior Casey Stalheber placed third, respectively. Casey Stalheber (25:54.23) topped the men’s side, while junior Joseph Franeschi (26:39.45) and Nathan Eileen McAllister (19:12.65) and Jonathan Thomas and Sweeney, the women’s soccer team combined to score 12 goals (six apiece), Swezey, a returning NCAA first-team All-American who scored two goals in each of the Bears’ three victories during the week, has scored in four of the squad’s five games in 1998.

Thomas and Swezey, the program’s most prolific scorers of all time, have scored a goal in the same game 17 times during their 44-game career playing together, including all three games last weekend.

The men’s soccer team was not so lucky, falling to regional foe Rhodes College 1-0 Saturday in Memphis, Tenn. The Bears (2-2) are ranked 16th in the latest NCAA Division III national poll.

Renowned architects are talking in

From the links between the professional and general relationship to the relationship between memory and architecture, the School of Architecture’s 44th annual Monday Night Lecture Series opens a stellar lineup of renowned national and international architects discussing these themes.

The series will kick off at 7 p.m. Monday, Sept. 21, with a lecture by landscape architect Angela Danadieva at Washington University’s Webster Auditorium. Danadieva, an environmental artist with the Spanish firm-based Danadieva & Koenig Associates in Barcelona, will discuss “Environmental Response.”

The series also will include keynote speakers for the Association of Collegiate Schools of Architecture West Regional Conference “Memory and Architecture,” which is being hosted by the architecture school Oct. 2-4. The keynote addresses, to be delivered in Steinberg Auditorium, are:

• Friday, Oct. 2 — Architecture historian and theorist Jennifer Bloomer will lecture on “Pale Houses, Silent Shadows” at 1:45 p.m. Bloomer is a professor of architecture and director of the Postgraduate Program and the Laboratory for Experimental Design at the University of Texas at Austin.

• Saturday, Oct. 3 — Jo Noerrer, the Ruth and Norman Moore Professor of Architecture and director of the Graduate Program in Architecture, will discuss “Myth and Memory” at 1:30 p.m.

• Saturday, Oct. 3 — Stanford Anderson, a professor of history and architecture and head of the Department of Architecture at the Massachusetts Institute of Technology, will discuss “History and Memory” at 1:30 p.m.

The student-run series will continue:

• Friday, Oct. 23 — Carol Ross Barney, an architect at the Chicago firm of Ross Barney & Jakobovitz Inc., discussing her firm’s designs for the 116 Greens Hall. The lecture is co-sponsored by the School of Architecture and the Chapter of the American Institute of Architects.

• Thursday, Oct. 28 — Neil M. Denari, a principal with the Los Angeles-based architect and director of Southern California Institute of Architecture, will talk on "Difference and Repetition" at 7 p.m.

• Thursday, Oct. 29 — Will Bruder, an award-winning self-trained architect and professor at Washington University, will talk about his recent work at 7 p.m. in Room 100 Brown Hall.

• Monday, Nov. 2 — Esa Laaksonen, the Ruth and Norman Moore Visiting Professor of Architecture and editor-in-chief of the Finnish architectural review magazine Arkkitehti, will talk on “Architecture and Art” at 7 p.m.

• Monday, Nov. 16 — Beatriz Colomina, an architectural historian and assistant professor at Princeton University, will talk on the first female architect and the first women admitted to the American Institute of Architects, which is being hosted by the architecture school’s Monday Night Lecture Series.

Jo Noerrer, the Ruth and Norman Moore Professor of Architecture and director of the Graduate Program in Architecture, is among the keynote speakers. Other University Faculty giving presentations include Eric Mundell, Ph.D., assistant professor of architecture; Jacqueline Tarron and Bessie Thomson, visiting assistant professors of architecture; Lata Korongy, Ph.D., assistant professor of Germanic languages and literatures in Arts and Sciences; and Harriette Stone, Ph.D., associate professor of Afro-American languages and literatures in Arts and Sciences.
Dennis Choi chosen as president-elect of the Society for Neurosciences

Neurologist is expert on mechanisms of nerve cell injury

Dennis W. Choi, M.D., Ph.D., the Andrew B. and Gretchen E. Jones Professor and head of neurology, will become president-elect of the Society for Neuroscience in November. With more than 25,000 members, the Society for Neuroscience is the world’s largest association of scientists dedicated to understanding the brain, spinal cord and peripheral nervous system.

“I am deeply honored to be elected to lead this distinguished scientific society as we move into the most millennium,” Choi said. “Understanding how the brain works, in health and disease, is fundamental to our pursuit of self-awareness and knowledge and to our hopes for treating the many patients who suffer from diseases of the nervous system.

Choi was born in Ann Arbor, Mich., attended Harvard College, and received both a medical degree and a doctorate in pharmacology from Harvard University in 1978. After residency and fellowship training in neurology at Harvard, he joined the neurology faculty at Stanford University. In 1991, he came to Washington University, where he also directs the Center for the Study of Neurological System Injury and the McDonnell Center for Cellular and Molecular Neuroscience.

Choi is internationally known for his research on the mechanisms of nerve cell injury. Choi has received numerous awards. These include the 1992 Wakamatsu Award for Neuroscience Research, the 1994 Silvio O. Conte Decade of Advanced Study, the Hereditary Alzheimer’s Disease Cooperative Study Group, the Parkinson’s Disease and Alzheimer’s Disease Army Research Program and the National Institute of General Medical Sciences (NIGMS) Councilor and Treasurer of the Alzheimer’s Disease Neuroimaging Initiative (ADNI).

Grubb becomes American Board of Neurological Surgery chairman

Robert L. Grubb Jr., M.D., the Peter J. Jones Professor of neurosurgery and head of the department, was named the 49th chairman of the American Board of Neurological Surgery. He will serve a one-year term.

Established in 1940, the board certifies neurosurgeons by reviewing applicants’ educational training and professional qualifications, requiring written and oral exams. It also reviews and approves training programs and standards of neurosurgical residency programs throughout the United States. Grubb has served as a board member for six years.

Grubb also has been elected 49th president of the Southern Neurosurgical Society. He will serve for one year.

Research and the 1997 Ho–Am Prize in Medicine from the South Korea Foundation. Choi previously has served as chairman of the Society for Neuroscience. He now chairs the U.S. Committee to the International Brain Research Organization. He also sits on the scientific advisory boards of the Max Planck Institute in Heidelberg, the Korea Institute for Advanced Study, the Hereditary Disease Foundation, the Alzheimer’s Disease Cooperative Study Group, the Parkinson’s Disease and the German Neurological Society.

The findings could have implications for treating viral infections, cancer and other diseases.

The pump action of the heart maintains a delicate balance that several factors underlie the increased cardiovascular risk of people with high blood pressure and LVH. “We hope to tease out which proteins are most significant and whether patients need more than one of these targets to be at increased risk of developing heart failure,” he said.

Mark Long to market inventions, foster links with industry

Mark Long has been named business development manager at the Technology Management at Washington University.

In his position, Long will be responsible for marketing and promoting the patented and licensed inventions of faculty members. He will work with science, technology and engineering faculty members and the Technology Management office to market and license inventions.

Grubb has a master’s degree in molecular biology and more than 16 years’ experience in the healthcare marketplace.

“Washington University is a gold mine of creativity, invention and research,” Long said. “My goal is to translate the latest diagnostic technology and treatment into the marketplace. We believe that the technology developed at Washington University will have a major impact on the healthcare industry to assist them in solving some of the most cutting-edge problems in healthcare.”

Grubb was born in St. Louis, Missouri, and received his degrees from Southern Illinois University. He is a member of the American Society of Neurosurgery, the American Academy of Neurological Surgery and the American Association of Neurological Surgeons.

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from 'Argentina to the Coral Sea'

Assembly Series talk highlights faculty, student Solo Spirit research

Raymond E. Arvidson, Ph.D., professor and chair of Earth and planetary sciences in Arts and Sciences, and a 1969 St. Louis native, will deliver a speech that will give a special Assembly Series presentation titled "The Solo Spirit Mission: From Argentina to the Coral Sea" at 7:30 p.m. Monday, Sept. 26, in Graham Chapel.

Arvidson and the student researchers involved in his research are spreading the word about the mission and new season of the expedition. The expedition is currently underway in the Coral Sea. The mission will last until Jan. 2020, and they hope to bring some samples back to St. Louis to share with the students.

Arvidson served as mission control officer, or MCC, for the mission and for the expedition. The mission control officer is responsible for the safety of the crew and the mission. The expedition is currently underway in the Coral Sea. The mission will last until Jan. 2020, and they hope to bring some samples back to St. Louis to share with the students.

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The student researchers participating with Arvidson in the Assembly Series presentation - Heavener, Boulanger, and Gruen - will be joined by their professor and the deputy principal investigator for the mission, Jonathan Buck, to discuss the mission and the data collected.

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"Viet Cong • Herbal History • Shuttle Astronaut • Beethoven

Monologial Spalding Gray returns to Edison Theatre Oct. 2 and 3.

Spalding Gray

Where Edison Theatre

When Oct. 2 and 3

Tickets $23, available at Edison Theatre Box Office, 865-6454, or Metro Tic, 534-1111. Call for discounts.

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**Football undefeated**

Despite yielding 55.5 total yards to 346 of its own, the Bears rallied from a three-touchdown deficit Saturday to register a 31-28 victory over Wheaton College (Ill.) at River Park Stadium. The Bears won their seventh consecutive home game when sophomore quarterback Kedric Weddey-Flaker connected on a 27-yard field goal with 10 seconds remaining in the game. The score capped an 18-play fourth-quarter drive for the Bears, who trailed 21-7 at halftime and 23-17 at the time of the game-winning field goal. WU improved to 6-4 on the year with three consecutive wins last week. The Bears knocked off Principia College 6-0 on Wednesday, St. Mary's College 5-0 on Saturday and finished off the week with a 10-6 whitewash of Wittenberg University in Springfield, Ohio on Sunday. Senior forward Lori Thomas and junior forward Rachel Sweeney combined for 12 goals and five assists on the week, Sweeney, who had two goals in each win, and Thomas, who tallied her third career hat trick against Principia, have scored goals in the same game 17 times in their four-game career together. Senior Cindy Palmer has had her hat trick and sophomore Hilary Bloom had her first career two-goal game in the win over Wittenberg. The Bear defense has allowed just two games in five seasons this week.

**Men's soccer falls**

The men's soccer team fell to Rhodes College 1-0 Saturday, Sept. 18, in a regional contest at Memphis, Tenn. The Bears have lost two straight games to fall to 1-3-0 this season.

**Women's soccer outscores three 21-2**

The women's soccer team improved to 6-4 on the year with three consecutive wins last week. The Bears knocked off Principia College 6-0 on Wednesday, St. Mary's College 5-0 on Saturday and finished off the week with a 10-6 whitewash of Wittenberg University in Springfield, Ohio on Sunday. Senior forward Lori Thomas and junior forward Rachel Sweeney combined for 12 goals and five assists on the week, Sweeney, who had two goals in each win, and Thomas, who tallied her third career hat trick against Principia, have scored goals in the same game 17 times in their four-game career together. Senior Cindy Palmer has had her hat trick and sophomore Hilary Bloom had her first career two-goal game in the win over Wittenberg. The Bear defense has allowed just two games in five seasons this week.

**Runners sweep WU Invitational**

The men's and women's cross country teams each took team titles at the Washington University Invitational last Saturday. The men, led by senior Tim Miler, swept the 8,000-meter course, finished 36 seconds ahead of second-place Lindenwood in the five-team field. Miler's time of 25:23, 54.2 seconds was more than 23 seconds better than the runner-up, Senior Emily Richaud who finished second for the crown with a win of her own. She clocked in at 25:35, 31.5 seconds, adding 35 and eight pellets to the WU Invitational.

**The Giving Tree**

The Saint Louis Art Museum unveils "The Giving Tree," an adobe sculpture by Ron Fondaw (left), professor of art, on Sept. 6. Fondaw created the sculpture (at left, rear) on traditional adobe building techniques using dirt, straw, strips, tree branches and bright pigments worked directly into wet plaster. The title reflects Fondaw's belief that everything around us comes from and is inspired by nature, which the work, intended to deteriorate naturally, will be on view on the museum's south lawn for four to six months.
A site plan shows the location of the planned Charles F. Knight Executive Education Center on the Hilltop Campus mall between Anheuser-Busch and Eliot halls. The building, to be bounded on the north by Throup Drive and on the south by the campus mall, will allow the business school to expand in offerings of executive programs. The school's executive degree programs already are ranked No. 14 in the nation by U.S. News & World Report. It also will allow the school to broadened non-degree offerings — open-enrollment courses and custom programs developed to meet a company's specific needs. Since 1985, the school has served more than 120 students in programs designed for companies including Anheuser-Busch, Edward Jones, Monsanto and SRC Communications.

"The Charles F. Knight Executive Education Center will allow us to provide the high-quality educational experience expected by management professionals," said Stuart L. Greenbaum, Ph.D., business school dean. "It will allow us to ensure our preeminence in executive education, and this, in turn, will benefit all of Olin's programs. We are deeply indebted to Chuck Knight and Emerson Electric." The architectural firm Kellum, McKimmon & Wood of Boston is designing the building. The firm designed Simon Hall, completed for the business school in 1980; McDonnell Hall, completed in 1982; and Alvin Goldfarb Hall, completed in April 1988 for the George Washington Brown School of Social Work.

Additional parking will be provided by adding a third level to the above ground parking deck in the existing Millbrook Parking Garage. Greenbaum said executive education programs will grow to continue, especially as job changes become more frequent and corporations outsource non-core activities. "Managers of the future will select topics appropriate to their managerial roles and technology experience and discuss the implementation of technology," Starke added. "We are very gratifying to see that the 'L' column is much longer than the 'K' column." Tyson said, "So is this actually visual proof of assessment and very effective. Students like these seminars and enjoy them telling about it.

"Our programs have improved because of these assessments, and our teaching has been improved," Starke added. "We hope that the use of authentic assessment will help students' success on the new MAP tests."
Of note
Raymond J. Arvidson, Ph.D., professor of radiology and planetary sciences at Arts and Sciences, was selected Academic Adviser of the Year for 1997-98 for his extraordinary commitment and dedication to undergraduates. The winner of the College of Arts and Sciences award is selected by students.

Michael L. Gross, Ph.D., professor of Radiology and Arts and Sciences, recently received the Felix and Esse Award for Outstanding Achievement in Mass Spectrometry.

Stone appointed director of International Studies
M Priscilla Stone, Ph.D., has been appointed director of the Office of International Studies and represents the professor of anthropology in Arts and Sciences, according to Edward S. Mason, Ph.D., executive vice chancellor and dean of Arts and Sciences.

The University's initiative to expand the curricular and programmatic opportunities in the major area of undergraduate and graduate education. In addition, the coordinator for community studies in Arts and Sciences recently initiated a new major in anthropology.

Stone: International curriculum expands studies
In addition to funding programs such as the Fulbright and foreign language program development will continue.

Under Stone's leadership, several programs have been expanded in international studies. The Office of Overseas Programs, guided by Interim Director Robert Boyer, now is directly incorporated into international studies.

Booker receives four new residential college degrees, who are responsible for directing operations and programmatic efforts as well as supervising the staff.

Rebekah Freeman will serve as the director for the Lee-Beaumont residential college.

Freeman received a bachelor's degree in 1994 from Colby College in Waterville, Maine, and a master's degree in student personnel administration in 1998 from New York University.

Clay Pate is the new director for the King-Ciannelli residential college. He earned a bachelor's degree in political science from College in Iowa and a master's degree in the undergraduate office administrative in 1998 from Indiana University.

Indiana University
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The pathfinding work of John C. Morris, M.D., has given a measure of hope and help to victims of a cruel disease

By Caroline Decker

These are often subtle — A 76-year-old businessman who has allowed his income tax return is now turning over this responsibility to an accountant — but they can be a key to understanding the earliest stages of Alzheimer's disease. John C. Morris, the Harvey A. and Dorismae Hacker Friedman Professor of Neurology; co-director, Alzheimer's Disease Research Center; director, University of Rochester School of Medicine and Dentistry, has explored in 1962 a complex study of Alzheimer's disease that inevitably leads to a loss of mental and physical abilities. The disease affects 4 million Americans, and those who have it eventually experience severe dementia that includes memory loss and declines in other areas of intellectual functioning, as well as personality and behavior disturbances. As the disease progresses, these changes interfere with the patients' ability to function. They might be disoriented in familiar places or be unable to dress or bathe themselves. They might no longer even recognize their loved ones.

Morris, who received a medical degree from the University of Rochester School of Medicine and Dentistry in 1974, has long been intrigued by brain-based clinical skills that relate to personality, memory and other intellectual abilities, and he has spent 80 years and a career in psychiatry. But during his time as a fellow in neuropathology at Cleveland Metropolitan General Hospital, he became interested in how particular lesions in the brain are associated with disturbances in behavior and cognition, the attributes disturbed in Alzheimer's disease. When he joined the medical school in 1982 as a postdoctoral fellow in neuropsychology, the image of a patient with Alzheimer's disease was someone with advanced disease who could no longer care for himself. In 1983, he moved into the neurology department and began to focus his research on the symptoms of early Alzheimer's disease.

"It became clear to me that the disease often was not recognized in its milder stages and that many of the initial memory and intellectual problems were attributed simply to normal aging," Morris said.

His earliest contributions to Alzheimer's disease were to emphasize that any cognitive changes that prevented an individual from carrying out his or her daily routine in the usual way might be a signal of the mildest form of the disease. "People have heard that the only sure way of diagnosing Alzheimer's disease is to do an autopsy," said Morris, also director of the Memory and Aging Project, "but we have found that clinicians can make a diagnosis without this tragic event."

In a widely cited paper published in 1991 in the journal Neurology, Morris and his colleagues compared clinical and autopsy findings from people judged to be in the very early stages of the disease with those from healthy people. Their discovery that only the brains of mildly demented patients contained markers for Alzheimer's disease — tangled nerve cell plaques and plaques of a protein called beta-amyloid — suggested that the disorder can indeed be diagnosed in the very early stages, when patients seemingly carry out most of their everyday activities.

Another widely quoted study, published in the same journal in 1996, challenged the prevalent view that beta-amyloid plaques accumulate during normal aging as well as in Alzheimer's disease. Comparing autopsy findings from healthy and from very mildly demented people who had been monitored by the Memory and Aging Project for many years, Morris and his colleagues found few or no plaques in healthy patients but many plaques in elderly people who were just beginning to show signs of cognitive decline. They had a key to the brain, suggesting that the deposition of beta-amyloid may be a key to the development of Alzheimer's disease, occurring before marked symptoms.

"Dr. Morris has special expertise in distinguishing very mild Alzheimer's disease from normal aging," said Leonard Berg, M.D., professor emeritus of Neurology at the University of Rochester School of Medicine and Dentistry. "He has conducted numerous studies to find out what makes someone perform better or worse than others and has made significant contributions to our understanding of how the brain changes in conditions such as early Alzheimer's disease."

For Morris and his colleagues, the most highly regarded Alzheimer's disease researchers in the country are Jeffrey Cummings, M.D., M.P.H. of the Cleveland Clinic, Ronald C. Petersen, M.D., Ph.D., professor of neurology at Mayo Medical School and director of the Alzheimer's Disease Research Center at the Mayo Clinic in Rochester, Minnesota. "He has always been ahead of the curve for understanding how that they have a deficit, interviews with family members are crucial for gathering information about how a patient is performing. This allows us to use the evidence to see him or she be used to perform.

Clinical skills

Among Morris's accomplishments is his ability to diagnose Alzheimer's disease. "It's a curious, painful and lengthy process," he said. "We don't yet have a cure for this disease."

In his avocations as well, Morris depends on skills honed by long practice. He enjoys the outdoors, especially hiking and fishing, and went this summer to Philmont Boy Scout Ranch in New Mexico where he and his 14-year-old son, Jim, hiked 75 miles through the Sangre de Cristo Mountains. The 11-day adventure was all part of Jim's scouting requirements on earning the rank of Eagle. He talked about his boyhood at the Boys Town Conference in Wyoming. He also enjoyed a lot of ground, both on foot and in the complex study of Alzheimer's disease. He is an accomplished artist who has made tremendous progress in the past decade in understanding this tragic ailment.

"This isn't yet a forum for the disease is or how to prevent it, but given the pace of discovery, I think we will in the next 20 to 30 years," he said. "We continue to be involved in our patients and to keep involved in their families and the research volunteers — some of whom have returned annually for the past 20 years. We could not have accomplished so much without dedicated and hard-working people."