A new initiative for American Indians visiting campus, tailor program to tribal needs

By TONY FITZPATRICK

Arvidson installed as McDonnell Professor

Raymond E. Arvidson, Ph.D., professor and chair of the Department of Earth and Planetary Sciences in Arts and Sciences, was installed as James S. McDonnell Distinguished University Professor Nov. 30 at a ceremony in Holmes Lounge.

Chancellor Mark S. Wrighton praised Arvidson for his outstanding teaching and research and his success in building one of the most distinguished departments of earth and planetary sciences in the nation.

“Our Department of Earth and Planetary Sciences today is recognized as one of the best anywhere, thanks in large part to Ray Arvidson’s work and dedication from the moment he arrived here in 1974 to today.”

Mark S. Wrighton

Funds for the McDonnell professorship came from a recent contribution of $6.5 million from JSM Charitable Trust, of which $6 million has been designated for the endowment of three distinguished professorships. Arvidson is the second faculty member to be named a James S. McDonnell Distinguished University Professor; Henry L. Boeckler III, Ph.D., chair of the Department of Psychology in Arts and Sciences, was the first.

“Ray Arvidson is a respected scholar, an excellent teacher and an outstanding University citizen,” said Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts and Sciences. “He has done extraordinary work throughout Arts and Sciences and in his department and is a great leader both in our University and in the field of earth and planetary sciences.”

Arvidson also will be awarded the Governor’s Award for Excellence in Teaching Thursday, Dec. 10, at a ceremony at the Capitol Plaza Hotel in Jefferson.

See Arvidson, page 2

Learning in cyberspace

Teaching Center offers Web workshop

By David Mossberg

Google, NewHoo, Dogpile. The gurgling jargon of your just-turned-2 niece. Hardly. Rather, the whimsical labels are a sampling of one of the most powerful teaching tools available at one’s fingertips — Internet search engines.

That nugget was just one among a gold mine of information customarily offered at “That Web as a Teaching Tool” — a series of three hands-on workshops co-sponsored by the Teaching Center, Arts and Sciences Computing and the Libraries.

The 90-minute workshops, which took place on an impressively stocked Eide Hall classroom featuring 20 computer workstations were aimed at faculty members who would like to make use of the World Wide Web in course development and class¬room teaching.

In the first two sessions, members of the group — which was restricted to 10 to approximately 20 members — each planned and then successfully placed their own course page on the Web. The third session featured a guided tour on ways to incorporate Web resources into teaching.

The workshops grew out of a similar seminar that has been presented to graduate students for the past two years. “As faculty found out about it, they were saying in effect, ‘Me, too’,” said James W. Visel, Ph.D., director of the Teaching Center and professor of political science in Arts and Sciences.

Another impetus: the acknowledgment that the technological change is, in fact, now. “It was natural hundreds of years ago that the book become an integral part of the American education,” said the book was a technology. And the library often became the hub, the core. Increasingly, electronic technologies have become the most effective.”

The first step in teaching Web searching is to listen to the fear factor, according to Kathy Attip, associate director of faculty and academic services in Arts and Sciences. “One of the fallouts from having so many very slick and high-tech search engines together. It’s the problem of someone who hasn’t produced something before,” said Attip. “That really, the flash and the movement and the color is just another layer on top of what is basically some text.”

“In the same way you might...”

See Websites, page 6

Fighting diabetes

American Indians visit campus, tailor program to tribal needs

An innovative community-based diabetes prevention program developed here, which has demonstrated its effectiveness among inner-city African Americans, is now being modified by American Indians for use on a remote southern Arizona reservation, one of the world’s highest diabetes rates.

Studies have shown that the rate of non-insulin-dependent diabetes mellitus (NIDDM) among Indians of the Tohono O’odham Nation is six times higher than in the general population of the United States. The reservation has the highest diabetes prevalence rate of any area served by the Indian Health Service. 40 percent of tribe members over 35 have diabetes, which is twice the national average. The tribe’s members have had lower extremities amputated because of complications from the disease.

Tohono O’odham women came to campus in November as part of a pilot demonstration project that will recruit and train members of the tribal community to develop their own program to prevent diabetes. The tribal council unanimously approved the project this fall.

Wallen said, “We see this as a way to help our people about diabetes,” said Shirley Manuel, a representative of the Hickawan District of the Tohono O’odham reservation, which is located south of Phoenix and west of Tucson. “We need to fight this diabetes. I don’t want my people to give up to this disease.”

As with the African-American Diabetes Project, the program will be tailored to tribal needs.

See Websites, page 6

Inside: Advanced Internet software developed here going to market

Medical News: Scientists find out how the bladder responds to infection

Washington People: Nina Cox Davis, Ph.D., explores Spain’s Golden Age

See Websites, page 6
**Advanced software going to world market**

Industries have keen interest in technology development

By Tony Fitzpatrick

The Center for Technology Management at Washington University has announced an agreement with Object Computing, Inc. to commercialize advanced Internet software developed by the University's Distributed Object Computing Group, making it available to a broader industry base.

"We want to help grow the technology base of the Midwest," said Schmidt, "and linking with strong technology companies like OCI enables us to do just that.

"We expect to apply for state and/or federal funding to help develop these technologies into products that can be sold for profit, and we will seek investments from venture capitalists when it is time to commercialize the system.

"We are excited about the potential of this technology and look forward to working with others to make it a reality," he said.

The agreement was announced at a press conference today in the Office of Public Affairs, Washington University.

"We have been working with Object Computing for a long time and have been working closely with Dr. Schmidt's team," said the University's Vice President for Research and Development, John F. McDonnell. "We are confident that this agreement will help further the development of these technologies and bring them to market."
Bacterial suicide researchers discover how bladder responds to infection

By Linda Sage

Researchers discovered how bladder responds to infection

**Bizarre twist** Scientists find first protein in central nervous system junctions

**Dermatologist Lynn Cornelius named associate dean for faculty affairs**

**Medical School Update**

**Celebratory reunion** Pioneering double-lung transplant recipients Doris Mathews (left) and Anne Harrison successfully returned to St. Louis to reunite with their surgeons, Joel D. Cooper, M.D. (far left), the Frey's A. Graham Professor of Surgery, and G. Michael Veith, M.D., the Joseph C. Bancroft Professor of Surgery. The women, who suffered from emphysema, received the world's first double-lung transplants 12 years ago.

**dec. 10, 1998**

**W Tu**

**3**
Edison Theatre announces OVATIONS! Series spring schedule

Theatre, music, dance and magic coming our way

By LIM OTTEN

The country's finest touring repertory companies will perform two classics of world drama March 26-27, Molasses' "Tariff" and Shakespeare's "Twelfth Night.

Music lovers can look forward to a pair of legendary vocal groups as well as a visit by one of today's most influential composers. On Feb. 6, the southern gospel quartet The Blind Boys of Alabama — still going strong after decades underfoot at the Tedeschi Stage for the Def and Blind — will share the stage with a cappella sensations The Persuasions. Two weeks later, on Feb. 19, visionary, composer Phillip Glass will present a rare evening of solo acoustic piano music.

Once again, the Edison will join forces with Dance St. Louis to present some of the finest dance companies working today. From Jan. 29-31, the iconic Mois-Robin Brown Company will use audiences through undiscovered territory with equal parts elegance, humor and risk. On Feb. 26 and 27, a special family event, Rhyme In Shoes, with guest Keith Terry, breathes new life into traditional forms such as clogging, reels, jigs, Irish step and square dances. The OVATIONS! Series will conclude April 30-May 2, with Danny Buraczeski's JAZZDANCE, which translates the exuberant spirit of jazz into pure motion.

What I love about Edison Theatre audiences is that they're so open and adventurous," said Warshawski. "Even if they haven't heard of a particular artist, they're willing to take a chance because they know that whatever they see will be interesting and that they'll really be the compliment I can think of."


For ticket information or to request a brochure, call 935-6453.

Magician Ricky Jay brings his famous 52 Assistants to Edison Theatre March 17-21.

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Indianapolis • American Rockies • Women's Health • Edgar Allen Poe

Exhibitions

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Films

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Lectures

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Performances

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Miscellaneous
**Sports**

**Thursday, Dec. 10**

7:30 p.m. Women’s basketball team vs. Maryville U. Field House, 8:30-9:20.

**Saturday, Dec. 12**

7:30 p.m. Men’s basketball team vs. McMedirn College, Field House, 9:30-10:20.

**Tuesday, Jan. 16**

4:30-5:30 p.m. WU Wind Ensemble auditions. Open to all WU students; one credit hour available. Special need for clarinet, French horn, and percussion players. West Campus Rehearsal Hall, 97-1191 or 97-0200.

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**Mini-robot**

David P. Miller, Ph.D., a robotics expert and a NASA consultant from Reston, Va., demonstrates the BYOBot, a mini-robot with light-seeking, changeable behaviors, to students in Mechanical Engineering 590, taught by Mark Jania, Ph.D., the Lee Hunter Associate Professor of Mechanical Design, Dec. 3, Miller, the guest of Linda Kral, Ph.D., assistant professor of mechanical engineering, demonstrated the benefits of design simplification to students, who worked on kits to assemble their own mini-robots. Participating students included (from left) senior James Chiu and juniors Brian Whitehead and Dennis Cheek.

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**Trustees elect new member; admissions numbers strong**

The Washington University Board of Trustees elected Lawrence E. Thomas, general partner of Edward Jones, as a new trustee at its meeting Friday, Dec. 4. The trustees also discussed a committee in memory of the late Clark M. Clifford, an alumnus and trustee of the University. Chairman Mark S. Wrighton reported to the trustees that the admissions picture for freshmen entering in the fall of 1999 appears to be stable, strong, and indicates increases running ahead of last year. He reported that the Danforth Scholars Program has been initiated with the naming of 14 current undergraduates and graduate students to this program that recognizes the academic achievement of inductees Dannaher’s high ideals of integrity, selflessness, leadership, commitment to community service, strong scholarship and academic accomplishment. The honorees represent all schools of the University. Wrighton said that more than 2,700 Danforth Scholar nominations already have been received for the 1999-2000 academic year. Wrighton reported on the status of the capital campaign, including the campus compo- nent that has $1 billion in funding. He announced the fourth meeting of the University’s International Advisory Council for Asia in mid-March in Tokyo. He commented on the status of the searches for a dean of the School of Law and for a distinguished scholar to be the first scholar to hold the Susan and William Strits professorship in women’s studies. Wrighton noted the recent naming of Raymond E. Arroyo, Ph.D., chairman of the Department of Earth and Planetary Sciences in Arts and Sciences, as a MacArthur Fellow. He announced the appointment of Albert P. Trulock, M.D., to the Rosemary and Jerome Flower Professorship. Trulock is a specialist in pulmonary medicine and the director of the University’s Division of Pulmonary and Critical Care Medicine.

Mr. Thomas is general partner of Edward Jones, a St. Louis investment firm. He serves on the board of governors for the Missouri Athletic Club and is a member of the Board of Directors of St. Louis Symphony Orchestra. He is also a member of the 1963 WU class reunion committee. In 1997 he received the distinguished alumni award from the John M. Olm School of Business.

**Men hoopsters win tournament**

Washington University’s men’s basketball team took a four-game losing streak and responded with two victories to capture the championship of Washington & Lee University’s 250th Celebration Tournament, in a tournament-opening 88-85 victory over Skidmore College (N.Y.,). sophomore forward Chris Alexander scored a game-high 26 points and classmate Ryan Patton added 17 for the Bears, who never trailed in the game. In the championship game, a 66-64 victory over both Washington & Lee Tournament Most Valuable Player David Gerven paced all players with 20 points and seven rebounds. Patton scored 15 points and all-tournament honors. Alex Riedel was post 14 in 8 Washington U. rallied in the second half for the victory. The Bears trailed 36-26 at halftime, but opened the second half with a 17-0 run, and took the lead for good on a Cerven jumper with 15:40 to play in the game. The Generals had the two-point advantage in the first half. The Bears held on for an 11-point win.

David Gerven

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**Women’s basketball wins third tournament**

The University’s women’s basketball team was the Washington & Lee University 250th Celebration Tournament, extending its winning streak to 14 games. The Bears knocked off Skidmore College (N.Y.,) 82-50, in the first round and defeated Middlebury College (Vt.), 79-68, in the championship game, 95-77. The Bears jumped to a 13-0 lead against Skidmore and led 41-22 at the half. They led by as many as 36 late in the game as they coasted to the win. Senior center Alia Fischer led all scorers with 19 points and grabbed a game-high nine rebounds.

Sophomore Tasha Rodgers and senior Jana Thomas were the only other players in double figures with 10 points. The Bears took 13 players. The Bears took 39-26 halftime lead over Middlebury in the championship game and led 49-30 at the half. Fischer again led all scorers with 20 points. The Bears held seven rebounds. Rodgers had 19 points, junior Sue Tucker had 18 and junior Emily Harold scored six points and added six rebounds. Fischer was named tournament MVP after scoring 44 points and adding 16 rebounds. Rodgers was also named to the all-tournament team. WU is 6-0 this year and has won 14 straight, the third-longest winning streak in school history, after finishing last season with eight consecutive victories.

**Tankers victorious at Chicago tourney**

The men’s and women’s swimming and diving teams each took home titles last weekend at the University of Chicago Invitational. Freshman Lindsay Wilkinson was the top performer on the women’s side, earning three provisional qualifying times for the NCAA Division III Championships. She won the 200 back with a time of 2 minutes, 11.34 seconds and the 100 back with a time of 1:06.67. She also won the 50 free in 24.74. Chris Thelen was the top swimmer on the men’s side, picking up two wins and a third place finish. He won the 1.450 in a time of 17.26.74 and the 500 free in 4:00.8. He was third in the 200 breast and clocking in at 2:45.20.

Compiled by Kevin Bergquist, director, sports information, and Keith Jenkins, asst. director, sports information.
Diabetes
Tailoring health program for American Indians
—from page 1
American-organized program in St. Louis, the American Indian project helps community members to learn more nutritious methods of preparing traditional foods and to spread word of these techniques among friends and family. Both programs couple the skills of diabetes and nutrition experts in the School of Medicine with the community outreach and social services expertise of the social work school. There is already a diabetes screening program in place on the reservation, but Cynthia Lopez, health educator for the tribe's Department of Human Services, said it lacks the resources it needs to be effective.

"It's a big problem out there," said Lopez, who is encouraged by Brown School of Social Work, works with Tohono O'odham Nation to reduce its complications. Obesity, diet and exercise can be changed and controlled to prevent or at least delay the onset of diabetes and, once it has set in, to reduce its complications.

Researchers point to changes in the lifestyles of tribe members — move away from traditional foods and activities — as part of the problem.

"Our people used to eat a lot of vegetables and beans," said Lopez. But then electricity and refrigerators "and ice cream and chips." People call for the corn group of five tribal members who attended the organizational sessions on campus to recruit and train more volunteers from the reservation. They will in turn set up programs in each of the Hockahowan's seven villages to educate their residents, screen them for diabetes and motivate them to exercise. They also hope to teach them to cook healthier foods and encourage them to revert to a more traditional, active lifestyle.

Brown, a registered member of the Pascua Yaqui-Tohono O'odham tribe in Arizona, is a co-director of the reservation's diabetes prevention program. He also is a former health secretary of Indian affairs under President George Bush.

"Many people get involved in working with Indian communities who have very little faith in the people," Brown said, "but I've seen that people and communities can change. Because many residents live in remote areas, getting them out will not always be easy. Sometimes we will have to go door to door to explain it all," Lopez said. The job is admitted, a master's one, Brown acknowledged. But if it is successful, it can be duplicated in the tribe's other 10 districts and possibly exported to other reservations.

The "NHG grant ends in five years," Auslander said, "but the resources we've got in the community. We want the reservation to develop its own capacity to deal with the problem in the future."

Hope Krellb (left), community health nurse at the George Warren Brown School of Social Work, works with Tohono O'odham Nation member Cynthia Lopez (center) and Rosslyn Antone as they adapt Brown School of Social Work, works with Tohono O'odham Nation to reduce its complications. Obesity, diet and exercise can be changed and controlled to prevent or at least delay the onset of diabetes and, once it has set in, to reduce its complications.

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Four appointed to director positions at Olin School

Four persons recently have been appointed to director positions at Washington University's John M. Olin School of Business, according to Dean Stuart I. Greenbaum.

Josephine P. Fox has been named associate dean and director of full-time programs; Deborah Fite Booker has been named assistant dean and director of external relations; Edward M. Novak has been named associate dean and director of MBA admissions and financial aid; and Pamela K. Wiese is director of information technology.

Fox is responsible for the planning, administration, and operation of the full-time and professional (part-time) MBA programs, which currently enroll about 800 students. He is responsible for program direction, strategic planning, and supervision of admissions, student advising, financial aid, recruitment, and program direction support.

Novak will be assistant dean and director of graduate programs in the College of Business Administration at the University of Minnesota-Minneapolis, improving in accounting and finance.

Pamela K. Wiese, who directs external relations, previously was assistant dean and director of MBA programs and financial aid for the business school, which she joined in 1993. She is responsible for the coordination of the school’s communication and marketing efforts, including all publications, the Olin Gateway magazine and social media. Prior to 1993, Bookor was assistant director of the MBA Program at the University of Rhode Island at Kingston.

Novak, who received a master’s degree in business administration from the University of Maryland—University College, will lead the business school’s initiatives in information technology, performing information technology planning and supervising staff responsible for managing computer and support operations. Most recently, he was in Tampa, Fla., as chief information officer and manager for Northeastern University. Before he joined Northeastern, Fox served as assistant dean and director of the MBA program. He received a bachelor's degree in business administration from the University of Minnesota and a master's degree in management from the Kellam Graduate School of Business at the University of Texas at Austin.

Porter Lang, a highly recognized behavioral scientist, comes from the University’s School of Medicine. She has been full-time faculty in the Department of the Division of Neurology, Medicine, with a joint appointment in the Department of Psychology in Arts and Sciences. At the medical school, she headed an externally funded laboratory in pediatric psychiatric care, supported by the University’s Office of Undergraduate Admissions, as chief staff officer assistant, the responsible for all aspects of programming and a master of business administration degree.

Porter Lang named director of disabled services

Fran Porter Lang, Ph.D., professor of political science and director of the Teaching Center, has been honored with an Excellence in Teaching Award from Emerson Electric Co.

The award program, now in its 10th year, is sponsored by Elinor and Alwin Nierenberg, according to Robert J. T, president of the university's Office of Disabled Student Services, and Karen Levin Cabot, vice chancellor for students and academic and professional staff. Porter Lang also is the director of the Office of Disabled Student Services.

Four-member teams picked up the award, recognizing four faculty members each year. The awards program, now in 10 years, and he held positions at W. R. Grace & Co., and Baxter International.

Porter Lang, a human resources professional with the Association of Graduate Students and Faculty, is responsible for all facets of the administration in the last five years, including all publications, the Olin Gateway magazine and supervising staff for the technology planning and supervising staff responsible for managing computer and support operations.

Davis granted Emerson award for excellence in teaching

J. W. Davis, Ph.D., professor of political science and director of the Teaching Center, has been honored with an Excellence in Teaching Award from Emerson Electric Co.

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Porter Lang, an associate professor of political science in Arts and Sciences, was honored for his time between the political science department and the Teaching Center, a program established in 1990 to enhance the efficiency of classroom teaching at the University.

Porter Lang considered the job's requirement to be the engagement of the people — thereby directing their attention. She must engage the student. You have to earn it and work to keep it.

Washinghsion University graduate students in Arts and Sciences are being recognized by the National Association of Graduate-Professional Students (NAGPS). For the second time, the National Association of Graduate-Professional Students (NAGPS) presented its annual awards ceremonies. The third annual competition featured 11 teams from NAGPS and a first-year University graduate student.

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Learning lessons from Spain's Golden Age

Nina Cox Davis finds many links between Renaissance Spain and America today

BY NANCY MAYS

For Nina Cox Davis, Ph.D., studying Spanish Golden Age literature is a continual source of fascination and ideas; it's a bit like delving into a 16th- and 17th-century soap opera. The era, which spanned the years from about 1492 to 1600, was fraught with high drama: from the Spanish kings' drive to monopolize the New World through the expulsion of the Jews and Muslims to the turmoil — from Spain's drive to suppress the arts in questioning the status quo. Davis' scholarship is widely admired. Diana de Armas Wilson, professor of English and Renaissance studies at the University of Colorado-Boulder, called her writing "remarkably elegant ... wonderfully instructive and entertaining."

The so-called Golden Age actually gives us a lot of paradigms for our own culture," she said.

On the surface, the Golden Age may seem to have little in common with modern-day American realities, Davis sees many parallels.

"I always encourage students to make connections, find links," she said.

A multicultural society

The term "Golden Age" was coined by 19th-century German intellectuals after the era's heyday. The name was a testament to the Germanic nation's admiration for the exceptional quality of literature, theater and art that the era produced. Much of the theater at the time dealt with themes of honor, Catholicism and a rigid class structure, which provided them a model for early expression of their own national identity, but did it? That's Davis' question, she said. "Theater and other prose genres at the time actually questioned the status quo from within a very complex representation of reality," she said.

So what does royalty and rigid class structure have to do with modern American life? The so-called Golden Age actually gives us a lot of paradigms for our own culture," she said. Davis' colleagues marvel at her ability to juggle so many duties so well. "She's a great liar," said Elzbieta Sklodowska, Davis' daughter, who is currently creating a study of women in the arts and sciences.

"Going to Spain has been one of the most interesting experiences of her life," said Davis. "She's got a bit of trepidation. Davis, however, infused a sense of encouragement and belief that carriers were fall and, she hopes, will permit gradual exchanges."

"I love seeing that bridge between the classrooms and living in the country," she said. "Students gain a much broader sense of who they are when they live in another culture. You watch them come back changed."}

Nina Cox Davis, Ph.D., examines the art and writings of Spain's Golden Age and finds parallels with 20th-century America.

Davis joined the Washington University faculty in 1985. She was named chair of the romance languages and literatures department in 1997. She has written extensively on the Golden Age — satirical prose is her specialty — and is a passionate scholar. But she also derives immense satisfaction from watching students fall in love with another culture. Most students approach Spanish language classes with a great deal of pragmatism, she said, hoping they will increase their marketability. Double majors among undergraduates are not uncommon. But as they master the tools — from the subjunctive to the past perfect — they gradually get to know another world.

Building bridges

The most satisfying undergraduate teaching experience, she says, perhaps comes from watching students explore another country. Davis encourages them to study abroad if possible. In fact, she's currently creating a study abroad program in Madrid with the University Carlos III, which will enroll undergraduates next fall and, she hopes, will permit graduate exchanges.

"If this were the Golden Age," said Sklodowska, "I'd commission her to write a book on our college's traditions and cultural heritage."

Edwarda Sklodowska, Ph.D., professor of Spanish, said students like Davis' fresh relook at the classics and her enthusiasm, while colleagues appreciate her receptivity, her warmth and her ability to perform the high-wire act of being chair with great grace as well as remarkable agility.

"She's the kind of teacher who enjoys interesting others, saying, 'You watch them come back changed.'"