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W.U. RECORD

Paleontologist-Author Gould To Speak on Evolutionary Realities

Stephen Jay Gould, professor of geology at Harvard University and curator of invertebrate paleontology, Museum of Comparative Zoology, will deliver the Thomas

"Evolutionary Hopes and Realities."

Gould, author of *The Panda's Thumb* (1980, Norton), a book of essays originally published in *Natural History* magazine, was praised recently in a review in the *New York Times*. Reviewer H. Jack Geiger, Logan Professor of Community Medicine at the City College of New York, wrote: "Mr. Gould is not a run-of-the-mill 'nature writer' given to tender accounts of wondrous beasts . . . Gould is a serious and gifted interpreter of biological theory, of the history of ideas and of the cultural context of scientific discovery."

The lecture was established four years ago in honor of Thomas S. Hall, University Professor Emeritus of Biology and History of Sciences.

Stephen Jay Gould

Hall lecture at 11 a.m. Friday, April 10, in Graham Chapel. He will speak on

Chief General Motors Economist To Give Calhoun Lecture

Marina v. N. Whitman, vice president and chief economist of the General Motors Corp. and Distinguished Public Service Professor of Economics at the University of Pittsburgh, will speak on "The Global Economy in the 1980s" in Steinberg Hall Auditorium at 4:30 p.m. Tuesday, April 7.

She will deliver the fourth annual David R. Calhoun Jr. Memorial Lecture, which is sponsored by the School of Business and Public Administration and the Center for the Study of American Business.

Whitman, an articulate analyst of the economic scene, moderated the Public Broadcasting System's (PBS) television series "Economically Speaking" from 1978-1979.

Well-known for her public service, she served as senior staff economist of the Council on Economic Advisers from 1970 to 1971 and was a member of this Council from

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Marina v. N. Whitman



Seemingly unafraid, probably because it is his first encounter with a dentist, a young Haitian is prepared for a dental procedure by a WU dental student.

WU Dental Students Treat 658 Natives in Haitian Jungle

Mountain paths strewn with chewed-up sugar cane pulp, adobe-like plaster huts with thatched roofs, echoes of voodoo drums in the distant night—these are some of the memories of two WU dental students who traveled to Haiti recently.

But the most vivid scenes they recall are the crowds of villagers who would gather as early as 4 a.m. outside a makeshift dental clinic and, inside the clinic, a mound of extracted teeth and tooth fragments which grew until, by the end of 10 days, it numbered more than 2,100.

"They probably extracted as many teeth during that short period as I did in my entire private practice of 28 years," said James Perry Short, a part-time assistant professor of operative dentistry at the WU School of Dental Medicine.

Short accompanied the two students, seniors Randy McLaughlin and John Bryan, to Mar Rouge (Red Mud), a remote area of Haiti 14 miles from the spot where Columbus discovered America. They traveled with a missionary group which included a medical team, interpreters and carpenters. Under Short's supervision, the WU dental students treated 658 patients, performed 2,100 minor surgical procedures and dispensed a total of 3,000 antibiotic and pain pills.

The students operated under primitive conditions without electricity or running water. An oil drum served as their surgical table, and patients were seated in two homemade folding chairs. Working at first through an interpreter, the students learned to communicate in the native Creole language.

Haiti, they said, is a dentist's nightmare. Tooth decay is rampant because of day-long ingestion of sugar cane by everyone from toddlers to adults. By the age of 40, most people are missing at least half—and sometimes all—their teeth. The

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Numerof Foresees Changing Roles In Health Care as Budgets Shrink

President Reagan's proposed budget cuts are expected to have major repercussions for many health care facilities. Rita E. Numerof, WU assistant professor of social work, believes that this and several other significant developments in health care will demand more efficient management practices from health care administrators. Her soon-to-be published book, *Management and the Health Care Professional*, published by the American Management Associations, applies management theory to the health care sector.

"Traditionally, physicians have been the dominant professionals in the health care system," she said. "The hospital was sometimes viewed as their workshop. Recently, however, other health care professionals—social workers, nurses, therapists—are demanding greater authority in shaping health care, partly because of growing competence and expanding knowledge in their fields. The administrator who once focused almost exclusively on managing support systems and budgets will have to become comfortable with negotiating among these groups."

Another pressure on the system is the trend toward holistic health care. Administrators will be primarily responsible, as budgets tighten, to choose between two health care philosophies—the traditional model, which emphasizes the treatment of disease, and the holistic approach, which stresses patient education, ambulatory care and preventive medicine.

Administrators are also being named in malpractice suits with greater frequency in recent years, she said. Even board members are being held accountable for the quality of care. "Because administrators are ultimately responsible," she said, "they will be demanding greater knowledge of what goes on in their institutions."

Numerof based her book on established management theory, her research and experience as a health care consultant and interviews with practitioners. Gary L. Filerman, president of the Association of University Programs in Health Administration, called her book "the most comprehensive survey of the evolution of health service organizations available."

Numerof was director of a mental health program in central Pennsylvania from 1973 to 1976, during which time she also designed and ran a hospital training program for nurses. Last year, she published another book, *Accent on People*, about increasing productivity among health care professionals.

Most recently, she was appointed to serve in an adjunct capacity as a permanent faculty member of the Estes Park Institute, a non-profit institute in Colorado studying health care management and education. She also conducts seminars for medical directors, hospital trustees and chief executive officers in an attempt to encourage better working relationships.

Free Stop Smoking Clinic Offered

A free stop smoking clinic will begin the week of April 13, sponsored by WU's Behavior Therapy Clinic, the American Lung Association and Cancer Society. An organizational meeting will be held Saturday, April 4.

Group meetings to discuss feelings about breaking smoking habits and dealing with urges to smoke will be held



Rita E. Numerof

several evenings two weeks prior to quitting. Subsequent meetings will be held less frequently for three months. Group participants must be smokers for five or more years, at least 21 years of age, who now smoke a pack or more a day.

For information on the program, call the Psychology Department at Ext. 6527.

WU Concerts Mark Dance Week

National Dance Week, April 5-11, will be celebrated on campus with highly charged kinetic activity.

Original dance works by young choreographers will be presented at the WU Student Dance Concert at 8 p.m. April 3-5 in the Edison Dance Studio at Mallinckrodt Center. The semi-annual event, sponsored by the student drama group Thyrsus and the WU Dance Division, is free.

Advanced and beginning dance composition students not only choreograph and perform, but handle all technical aspects of the production, including lighting design and the assemblage of sound scores. Artistic supervision is by distinguished dance artists-in-residence Gerald Otte, dance captain of the Nikolais Dance Theatre, and Claudia Gitelman, a faculty member of the Nikolais/Louis Dance Theatre Lab, New York.

Gitelman noted that such student concerts "allow one to experience the innocence and verve of fledgling choreographers as well as the beginnings of refinement in the craft of advanced students. Often I see more of substance from a bleacher seat at one of these events than from a \$25 seat in an establishment house."

To cap the celebration, the WU Dance Theatre and the St. Louis Ragtime Ensemble will perform locally, sponsored by the Dance Concert Society. The two WU resident companies will appear at noon on April 7 in the Old Courthouse and at noon on April 8 at the Crestwood Shopping Center mall.



Senior Frank Kliegel and WU artist-in-residence Anna Marie Schary, both members of the St. Louis Ragtime Ensemble, in a recent performance.

Students—continued from p. 1

shape of their remaining teeth often cannot be recognized beneath enormous amounts of calculus or mineralized deposits.

"They were very eager to have us," said Short. "They've been in pain for years." One man brought his young daughter 38 miles by foot to have her decaying molars removed, he noted. Another man had 21 teeth and tooth fragments extracted at one sitting. Others had abscesses on their gums which spread to their cheeks and under their chins.

Though several dozen toothbrushes were dispensed, little evidence of their use was seen, except by one woman, who used hers as a hairbrush. Apparently, no native substitute for teeth cleaning is practiced.

"You cannot change the diet and habits of a community overnight. All we could do was try to relieve a little pain," Short concluded.

He said Haiti provided a completely different experience from that of an earlier trip he made to Bangalore, India, where he managed a dental clinic for a month. "The people there had limited access to sweets and their teeth were in better shape," he observed.

A St. Louis mail carrier for 16 years, Short graduated with a DDS from the WU School of Dental Medicine in 1952 and retired from private practice this year. Because of a back problem, he was unable to perform oral surgery in Haiti. He had nothing but praise, however, for the students he supervised.

"I have never seen two men work as hard anywhere," he said of McLaughlin and Bryan, who were chosen from a group of 10 WU dental student volunteers for the trip. Upon graduation, McLaughlin plans to enter private practice in California and Bryan will work locally in public health dentistry. Short is planning several other overseas assignments.

Faculty Notes

Estelle Brodman, librarian and professor of the history of medicine at the School of Medicine, has been named the second recipient of the John Cotton Dana Award by the Special Libraries Association. The Award is presented irregularly to a member of the association in recognition of outstanding service.

James A. Ferrendelli, has been awarded the American Society for Pharmacology and Experimental Therapeutics (ASPET) Epilepsy Award for 1981. The \$1,000 award is sponsored by the International League Against Epilepsy to recognize and stimulate research. Ferrendelli's research areas are the basic mechanism of epilepsy and anticonvulsant drugs.

Ferrendelli is the Seay professor and director of the Division of Clinical Neuropharmacology at the School of Medicine. He is also on the staffs of Barnes and St. Louis Children's hospitals.

Thomas A. Harig, director of WU general services, has been reelected to the board of directors of the Educational and Institutional Cooperative Services, Inc. He will serve as secretary-treasurer for the balance of the year. The purpose of the organization is to cut the costs of general institutional supplies by combining the 2,000 members' buying power through national contracts.

Edward J. Imwinkelried, professor of law, will give a paper June 12 at the third annual meeting of the American Bar Association Criminal Justice Section and the Association of Trial Lawyers of American Education Fund, to be held in Las Vegas. Imwinkelried will speak on "Scientific Evidence: An Overview of Laying the Foundation and Recent Developments."

Robert P. Morgan, professor and chairman of the Department of Technology and Human Affairs, and

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James G. Miller, professor of physics, will serve as national Sigma Xi lecturers for a year beginning in July. Morgan, director of the Center for Development Technology, will speak on the topics of science, technology and international development, and university education for engineering and public policy. Miller, who holds a joint appointment as research assistant professor of medicine at the WU School of Medicine, will speak on ultrasound imaging for tissue characterization and computed tomography based on ultrasound. The Sigma Xi lecture program gives chapters and clubs the chance to hear outstanding scientists discuss some of the more lively areas of current research.

Gary A. Tobin, assistant professor of urban studies, will use questionnaires and personal interviews to compile information on the cultural and religious attitudes and practices of St. Louis area Jews.

The study of religiously affiliated and non-affiliated Jews is sponsored by the Jewish Federation of St. Louis. Results will be available for use by Jewish congregations, service agencies and other institutions with ties to the Jewish community.

Calhoun—

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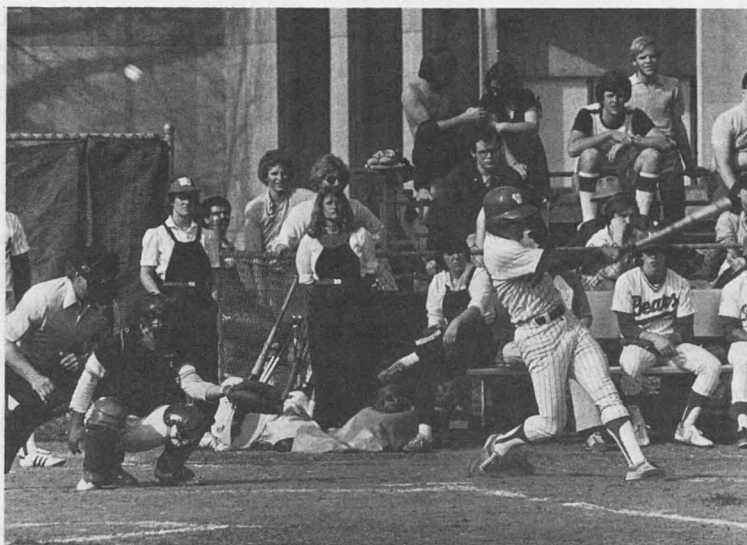
1972 to 1973.

Whitman serves on the Trilateral Commission and the boards of directors of both the Atlantic Council and the Council on Foreign Relations.

During 1978-1979, she was on sabbatical leave from her teaching position to serve as a Fellow at the Center for Advanced Study in the Behavioral Sciences, Stanford, Calif.

Whitman earned a BA *summa cum laude* from Radcliffe College. She was awarded her doctorate in economics from Columbia University in 1962.

Established in memory of the longtime St. Louis banker, the David R. Calhoun Jr. lecture series is designed to make a constructive addition to the study and discussion of the important role of business in a free society.



A slugging WU player pops one up in a recent Bears game in Utz Field.

Teams Launch Spring Season of Baseball, Tennis, Golf and Track

It's spring again, and that means that the WU baseball, golf, tennis and men's and women's track teams have either begun or are preparing to do athletic battle.

The baseball, men's track, golf and tennis teams have opened their seasons already, while the women's track team will begin its regular competition Saturday, April 4, at the Central College Invitational Meet in Pella, Iowa.

Baseball Coach Leo Kelly said his team is a "strong-hitting club, with solid fielding and good pitching." Although the team lost four games last weekend, bringing their record to 6 and 10, Kelly is optimistic.

The WU Bears are hitting .298 as a team. Dave Barrett, a senior and field captain, is hitting .400 as the designated hitter. Junior catcher Brian Hoelscher, formerly a third baseman, is slugging at .373 and is the co-leader of the team with 12 RBIs. Tied with Hoelscher in RBIs is rookie Craig Ballentine, a sophomore, who plays third base. Senior Willie Schaefer, the Bears center fielder and the team's most valuable player last year, is batting .368.

Schaefer also has done some pitching for the Bears. Other pitchers this year are Steve O'Donnell, a junior, Brian Travelstead, a senior, and ace reliever John Kirwan, a junior.

Golf Coach Chris Gianoulakis' golf team opened its 11-match season Monday by beating Blackburn College 399 to 443. Freshman Rich Ritholz shot the low score of 77.

Tennis Coach Mike Welch said his netmen, who began their season March 8, have played the "roughest part of their schedule," amassing a record of one win and five losses. Fourteen matches remain, however, and Welch looks forward to more victories.

His top singles players are senior Marcelo Puiggari, team captain, whose 4-2 record includes a win over an All-American player from Millsaps College, Jackson, Miss., and Robert Nagle, a freshman, who is 3-2. The doubles team of Puiggari and Nagle has won four and lost two matches.



Fine arts sophomore Susan Barkann set a personal record last Saturday when she threw the javelin 114 feet and 5 inches and won her event at a women's track scrimmage against Southern Illinois University-Edwardsville.

Calendar

April 3-April 9

Friday, April 3

11 a.m. Department of Computer Science Seminar, "Modifiability of Large Software Systems," Laszlo A. Belady, Senior Manager, Software Engineering, Thomas J. Watson Research Center, IBM. 509 C Bryan.

1 p.m. Woman's Club of WU Tea and Slide Lecture, "Landscape Architecture—Restoration and Preservation," Alan Godlewski, Mo. Botanical Garden. Ann Whitney Olin Women's Bldg. Lounge. For reservations call 863-5273.

2 p.m. Department of Systems Science and Mathematics Seminar, "Recent Developments on Newton-Type Methods," Jorge More, Argonne National Lab. Location to be announced. For more information, Ext. 6064.

Saturday, April 4

9 a.m. Neural Sciences Program, "Central Control of Body Fluid Homeostasis," Kim Johnson, U. of Iowa, Iowa City. 928 McDonnell Medical Sciences Bldg., 4570 McKinley.

10 a.m. Intramural Chess Tournament. Registration from 9:15-9:45 a.m. All students and faculty may enter. Wohl West Private Dining Room.

Sunday, April 5

7:30 p.m. International Folk Dancing and Instruction. Umrath Lounge.

Monday, April 6

3 p.m. Department of Sociology Lecture, "The Spanish Civil War: Fiction and History," Joseph Schraibman, WU prof. of Romance languages. 219 McMillan.

4 p.m. Department of Psychology Colloquium, "There's More to Visual Aging Than Meets the Eye," Donald Kline, prof. of psychology, Notre Dame U. 102 Eads.

4 p.m. Department of Biology Seminar, "Genetic Control of Macromolecular Assembly Processes in Bacterial Phage," Jonathan King, prof. of biology, M.I.T. 322 Rebstock.

8:30 p.m. School of Architecture Lecture, "Finding the Best Model," Pep Bonet, WU visiting architect and associate, Studio PER, Barcelona. Steinberg Hall Aud.

Tuesday, April 7

12 noon. Department of Biomedical Engineering Seminar, "A Modern Cardiac Catheterization Facility," Barry Hieb, director, Computer Section, WU Cardiology Division. 214 Bryan.

3 p.m. Committee on Asian Studies and Department of History Lecture, "Nationalist China's Road to Debacle: Ruminations on a Study in Progress," Lloyd E. Eastman, prof. of history, U. of Ill., Urbana/Champaign. Brown Hall Lounge.

4 p.m. Molecular Virology Seminar, "The Structure, Function and Inhibition of Paramyxovirus Membrane Proteins," Purnell W. Choppin, Leon Hess Professor of Virology, Rockefeller U. Erlanger Aud., 4570 McKinley.

4 p.m. Black American Law Student Assoc. Seminar, "The Reagan Administration Budget Cuts," Margaret Bush Wilson, chairwoman, NAACP Board of Directors, St. Louis attorney and WU trustee. 301 Mudd.

4:30 p.m. David R. Calhoun Jr. Memorial Lecture, "The Global Economy of the 1980s," Marina v. N. Whitman, vice president and chief economist, General Motors Corp. and Distinguished Public Service Professor of Economics, U. of Pitt. Steinberg Hall Aud.

7 p.m. Division of Plant Biology Program, "Nitrogenase: The Enzyme and Its Reactions," William E. Newton, Charles F. Kettering Research Lab., Yellow Springs, Ohio. 309 Rebstock.

8 p.m. History of Medicine Club Lecture, "International Medical Cooperation: Albert Sabin, Live Polio Vaccine, and the Soviets," Saul Benison, U. of Cinn. Medical Center. WU Medical School Library Archives and Rare Book Annex, 615 S. Taylor Ave.

Wednesday, April 8

11 a.m. Assembly Series Lecture, "The Community Organizing Movement," Wade Rafke, head of ACORN. Cosponsored by the Student Union. Graham Chapel.

1:30 p.m. Department of Systems Science and Mathematics Seminar, M. F. Chang, General Motors Research Lab. 100 Cupples II.

3 p.m. George Warren Brown School of Social Work Colloquium, "Health Issues of Older Women: National Project Review," Eloise Rathbone-McCuan, WU asst. prof. of social work. Brown Hall Lounge.

4 p.m. Department of Biology Seminar, "Transposable Elements in Maize," Nina Federoff, staff scientist, Carnegie Institute of Washington, Baltimore, Md. 322 Rebstock.

4 p.m. Department of Physics Colloquium, "The Physics of Phase Transitions in Polymers," Philip L. Taylor, prof. of physics, Case Western Reserve U. 204 Crow.

Thursday, April 9

12:10 p.m. WU Gallery of Art Noon Talk, "20th-Century American Art," Catherine Burns, curator, WU Gallery of Art. Lower Gallery. WU Gallery of Art, Steinberg.

2 p.m. Public Affairs Lecture, "Data Graphics: Visual Display of Quantitative Information," Edward Tufte, prof. of political science, Yale U. 300 Eliot.

4 p.m. Public Affairs Thursday Lecture, "Politics and the Economy: What Happened and What to Expect," Edward R. Tufte, prof. of political science, Yale U. Lambert Lounge, Mallinckrodt Center.

4 p.m. Division of Population Biology Program, "Evolution of Photosynthetic Variability in the Crassulaceae," James A. Teeri, chairman, WU Committee on Evolutionary Biology. 322 Rebstock.

4 p.m. Department of Earth and Planetary Sciences Seminar, "Recent Work in High Pressure Mineralogy Using the Diamond Anvil Cell," William Bassett, prof. of geological science, Cornell U., Ithaca, N.Y. 102 Wilson.

5 p.m. 28th Annual Robert Terry Lecture, "Origin of Man: New Developments During the Last Decade," C. Owen Lovejoy, prof. of anatomy and anthropology, Kent State U. Sponsored by WU Department of Anatomy and Neurobiology. Carl V. Moore Aud., 660 S. Euclid.

7:30 p.m. Department of Philosophy Colloquium, "How Art Works End: A Study in the Visual Arts," Lucian Krukowski, WU adjunct prof. of philosophy and prof. of art. Hurst Lounge Duncker Hall.

8 p.m. Newman Center Lecture, "Genetic Counseling," William S. Sly, WU prof. of pediatrics. Newman Chapel, 6352 Forsyth.

8 p.m. Department of Electrical Engineering Seminar, "Technical Considerations in Subscription Television," Leo I. Bluestein, director, Corporate Research, Oak Industries, Inc., Rancho Bernado, Calif. Cosponsored by the IEEE Communications Society, St. Louis Section. 101 Lopata.

Films

Friday, April 3

7:30 and 9:45 p.m. WU Filmboard Series, "Alien." Brown. \$1.75. (Also April 4, same times, Brown.)

8 p.m. Classic American Cinema Series, "The Moon's Our Home" and "Woman of the Year." Rebstock Aud. Admission \$2.

Saturday, April 4

8 p.m. Classic American Cinema Series, "To Have and Have Not" and "Notorious." Rebstock. \$2.

Sunday, April 5

7:30 p.m. WU Filmboard and American Express Film Festival, "Marathon Man." Brown. \$1.50.

Monday, April 6

7:30 and 9:30 p.m. American Film Musical Series, "An American in Paris" and "Funny Face." Brown. \$2 for either or both films.

Tuesday, April 7

7:30 and 9:15 p.m. American Film Musical Series, "Singin' in the Rain" and "Seven Brides for Seven Brothers." Brown. \$2 for either or both films.

Wednesday, April 8

7:30 and 9:15 p.m. WU Filmboard Series, "The Bicycle Thief." Brown. \$1.75. (Also Thurs., April 9, same times, Brown.)

Thursday, April 9

8 p.m. Asian Art Society Film, "Eburiman-shi no Yugana Seikatsu" (Mr. Everyman). Cosponsored by the Committee on Asian Studies and the Department of Chinese and Japanese. Steinberg Hall Aud.

Music

Sunday, April 5

4 p.m. Department of Music Graduate Recital, Jim Harris, recorders. Graham Chapel. No charge.

8 p.m. Department of Music Recital, with Leslie Grimm, clarinet, and Gail Andrews, piano. Works by Weber, Schubert, Mozart and Debussy. Brown Lounge. No charge.

Performing Arts

Friday, April 3

8 p.m. WU Student Dance Concert. Edison Dance Studio. No charge. (Also Sat., April 4, and Sun., April 5, same time, Edison Dance Studio.)

Exhibitions

"Midwifery in the 18th Century," an exhibit of the development of scientific midwifery. Medical Library Annex, 615 S. Taylor. 8:30 a.m.-5 p.m., weekdays. Through June 15.

"Master of Fine Arts Thesis Exhibition, Part II." Bixby Gallery, Bixby Hall. 10 a.m.-12 noon and 1-4 p.m., weekdays; 1-5 p.m., weekends. Through April 8.

"Master Prints from the WU Collection." Print Gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m., weekdays; 1-5 p.m., weekends. Through April 30.

"American Art," an exhibit of 19th- and 20th-century paintings. Lower Gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m., weekdays; 1-5 p.m., weekends. Through April 12.

"Master of Fine Arts Thesis Exhibition, Part III." Upper Gallery, WU Gallery of Art, Steinberg Hall. 10 a.m.-5 p.m., weekdays; 1-5 p.m., weekends. Through April 12. Opening reception, 5 p.m., April 5, WU Gallery of Art.

Sports

Saturday, April 4

1 p.m. Men's Baseball Doubleheader, WU vs. Harris Stowe College. Utz Field.

Tuesday, April 7

3 p.m. Men's Baseball, WU vs. St. Louis U. Utz Field.

3 p.m. Men's Tennis, WU vs. Lindenwood College. WU Tennis Courts.

Wednesday, April 8

3 p.m. Men's Baseball, WU vs. Maryville College. Utz Field.

3 p.m. Men's Tennis, WU vs. UMSL. WU Tennis Courts.

Tyson Offers Tours

The Tyson Research Center in Eureka, Mo., will offer tours of the facility to members of the WU community and their families on Sunday, April 5 and Saturday April 18. Hosted by Richard W. Coles, director of the Center, the tours will begin at 9:30 a.m. and 1:30 p.m. each day, and last for approximately two and one-half hours. The tours are held to acquaint the University community with the Center, which is not usually open to the public. Tour groups will be limited to 25 people. To reserve a place, call 938-5346 on Mondays, Wednesdays or Fridays.