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# WU Record

Published for the Washington University Community

April 17, 1975

## Parents Discuss Student Alternatives

From across the country parents came to Washington University the weekend of April 4-5 for the spring meeting of the two-year-old Parents Council, the organization whose goal is to improve communication between the University and parents. Council members represent the five undergraduate schools and the geographic distribution of the student body; they came from points as far removed as Florida, New York and Oklahoma.

Areas of mutual concern to parents on the Council included the natural phenomenon of anxiety among the nation's students—much of which stems from competition for acceptance to graduate school and placement in the declining job market.

Meeting with parents on the Council's education committee to discuss University responses to student needs, Leo Eason, director of Placement Services, counseled those present to "encourage consideration of a series of short-range career objectives rather than a single long-term goal. Students come to our office aware of the plight of the economy,

*(Continued on page 2)*



Johanna Potts (left), student staff member in charge of new student orientation, and Mrs. Margaret Alfino (right), discuss parent involvement in the admissions program.

*(Photo by Herb Weitman)*

## WU Moves Up In HEW Funding

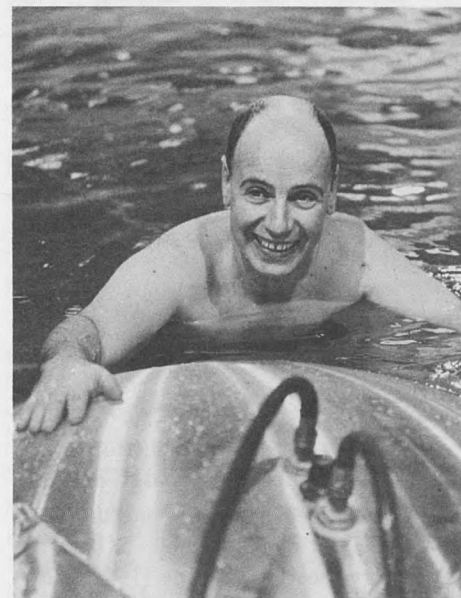
Sports writers provide the only consistent coverage of universities as far as the rankings of schools are concerned—much to the chagrin of institutions like Washington University. Weekly ratings of the nation's top college teams overlook a great deal in terms of what sports activities mean to all students at those schools and of course, they indicate nothing about educational quality.

One objective ranking of the latter attribute—at least in judging a school's faculty—was published in March in a government document, "Department of Health, Education and Welfare Obligations to Institutions of Higher Education and Selected Nonprofit Organizations, Fiscal Years 1965-72." It didn't evoke headlines, but there was good news for WU faculty and their fans: Washington University ranked 15th among all of the nation's schools in total HEW research funds for faculty research in 1972 (the last year analyzed by HEW), and WU ranked 8th among all private universities. Linda Wilson, WU associate vice chancellor for research, said that trends in funding have been such that the ranking didn't come as a surprise to her office. She said that WU may have improved its standing since 1972.

The University of Washington (you know—that place in Seattle) ranked first in the HEW study with \$50 million in total funds. UCLA, Harvard, Johns Hopkins and Howard University rounded out the top five. Some of the schools ranking below WU at 15th (with \$29.2 million) were Duke, Ohio State, Yeshiva, University of North Carolina, University of Chicago and the University of California at Berkeley.

The HEW report showed that among private schools *only* the ranking order in millions of dollars was: Harvard (\$45); Johns Hopkins (\$42.6); Howard (\$42); Stanford (\$35.2); Columbia U. (\$34.5); Yale (\$33.2); NYU (\$33); WU (\$29.2); Yeshiva (\$27.6) and University of Chicago (\$25.1).

In 1965 WU was 23rd with \$12.4 million compared to both state and pri-



WU physicist Joseph Klarmann tests gondola's ability to withstand pressure in Wilson Pool. Gondolas house cosmic ray detectors which are carried to outer edge of atmosphere by polyethylene balloons.

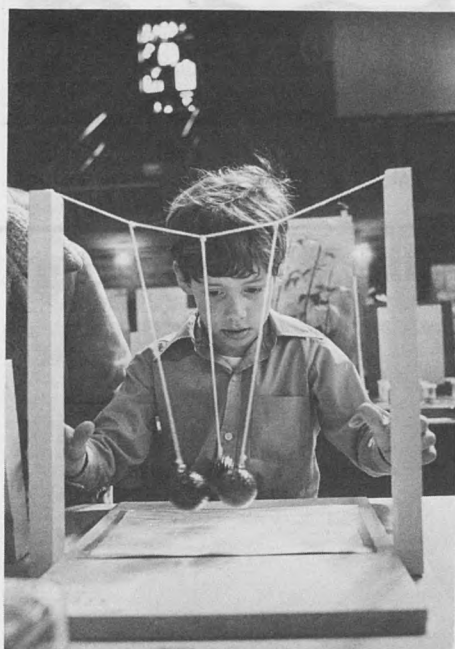
vate schools, and was 13th among private schools only. In 1972 a total of 349 WU faculty members or teams received HEW awards, representing 75% of all federal funding at WU, Wilson said. "These awards are a good indicator of the quality of the faculty," she added. "They are based primarily on the scientific merit of an individual research proposal."

"Needless to say, I am very proud of this record," said Chancellor William H. Danforth. He added that WU does best when its faculty competes "head to head with other scientists around the country."

The St. Louis Stars have announced that tickets will be available to WU students, faculty and staff with ID cards at half price (\$1.75) for the Stars' Sunday, April 20 game at 7:30 p.m. against the Dallas Tornado at Francis Field. The University of Missouri Marching Band will perform during the half. For the reduced rate, tickets must be purchased Thursday or Friday at the Mallinckrodt Ticket Office.



## Plant Neutral to Sweet-Talk, Succumbs to Current; Science Fair Open in Field House



A Science Fair visitor

By King McElroy (Photo by Gail Cissna)

Breakfast cereals, plants, four-cycle engines, solar energy and baby chicks. . .

That only begins to indicate the variety of experimental subjects in the elementary section of the 1975 *Post-Dispatch* Greater St. Louis Science Fair at the WU Field House. It requires personal observation to appreciate both the work and sometimes inadvertent humor of the grade-schoolers' exhibits.

The entries were heavy on electronic gear but exhibits of plants and soil occupy a good share of the space. One exhibit was done by Gayle Kimizuka, of Garrett School, who asked the question, "Do Plants Have Feelings?" She wrote, "I talked to plant one, played music to plant two and left plant three alone." A few days later, she found that plants one and two were growing but plant three was not. A month later, plant three had caught up with the other two. Her research result: "If you leave a plant alone it may lag at first, but later on it will catch up to the plants which had been sweet-talked with words or music."

Another plant exhibitor, Buddy Luepke from Our Lady of Sorrows School, illustrated the effect of electrical current on an English ivy plant. He discovered that the current kills the plant.

There was much interest in solar energy in the exhibits. One exhibitor, Danny Shelley of Concord School, had a wind generator in the form of a windmill and used a flashlight which played on a solar cell on the roof of the house.

There were exhibits testing the strength of different kinds of detergents. One asked: "How much sugar is on sugar-coated cereal?" In that exhibit, the exhibitor took two ounces of each breakfast cereal and washed them with water until the cereals were no longer sweet. Then, he boiled down the wash water. He found out that one cereal was 60 per cent sugar while another 50 per cent and a third 40 per cent. One cereal which wasn't sugar coated, showed only a trace of sugar.

One of the outstanding exhibits showed how a baby chick grows inside the egg. The exhibitor, Brady Perkins from Notre Dame School, showed the chick at the various stages of its life from the cell to the hatching of the chick 21 days later.

About 2600 exhibits are on display in the elementary section and about 1400 exhibits in the high school section. It will be open to the public from 9 a.m.-9 p.m. on Thursday and from 9 a.m.-7 p.m. on Friday.

## Parents

(Continued from page 1)

but it doesn't hit home until they actively seek jobs or entrance into graduate schools. We counsel reality—the specifics of what it takes to gain acceptance—by encouraging research of potential employers or professional schools in the same way a thesis or key term paper would be approached."

"We used to see students once in their senior year," Eason noted, "and were able to suggest 40 to 50 job opportunities on the spot; today we see students three, four or five times, and earlier in their college career, to work with alternatives and allied fields related to the job market."

A description of the Special Educational Services Center, with particular emphasis on the Career Resources Center, was provided to further identify assistance available to students in developing career options through testing and counseling, experiences in the field and workshops brought into the dorms.

Dr. Hazel Sprandel, in charge of the Career Resources Center, working closely with students, faculty administrators, alumni and members of the community-at-large, coordinates career interests with opportunities to test these interests through supervised performance, field study, independent study or volunteer information programs.

It was pointed out to parents that the Special Educational Services Center, co-operating with the University's academic departments, has developed a handbook entitled "Using Washington University Majors in Career Planning." (This will be distributed to advisors, department chairmen and deans in May.) Each major outlined includes a description of the field, areas of graduate work, career options, employment outlook and reference to further information.

In an attempt to create more coherent alternatives for incoming students, the College of Arts and Sciences recently announced a "Focus Plan" designed for freshmen who are undecided about objectives or are planning careers in fields with few fixed requirements. Burton M. Wheeler, Arts and Sciences Dean, explained that the program (to be offered on a pilot basis next fall) will offer students an integrated group of courses related to four academic issues: "Conflict and Human Society," "Quantitative Methods and the Social Sciences," "The Search for Values" and "Law and Society."

"The plan will allow more interaction between academic disciplines and encourage a more meaningful undergraduate experience in the liberal arts course of study," Wheeler said. "We are promoting the consideration of options in addition to a primary goal to help liberal arts students disperse anxieties," he added.

Another point of discussion concerned the increased number of pre-medical and biology majors. Dr. Max Cowan, director of the pioneering Division of Biology and Biomedical Sciences, explained that with the formation of the division in 1973 the resources of the Department of Biology on the Hilltop Campus and the Departments of Anatomy, Biological Chemistry, Genetics, Microbiology, Pathology, Pharmacology, Physiology and Biophysics at the Medical School were opened to all these students. The Division bridges the gap between the Arts and Sciences and Medicine faculties, increasing the depth and scope of student knowledge on both campuses.

Alumni, often parents themselves, are becoming more actively involved in assisting students through efforts of the Alumni Office. The availability of alumni for talks with students is being researched, and opportunities for professional work experience and student interest matched. A career referral service—also planned by the Alumni office—would encourage the availability of alumni in various cities for job consultations with students.



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## ANNOUNCEMENTS

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HENRY MANNE, director, Center for Studies in Law and Economics, University of Miami School of Law, will speak on "The Case Against Corporate Social Responsibility" at 3:30 p.m. Thursday, April 17 in the second floor lounge of Eliot Hall. His talk is sponsored by the Center for the Study of American Business, the School of Business and Public Administration, the School of Law, and the Department of Economics.

SEYMOUR M. HERSH, *New York Times* reporter who earned a Pulitzer Prize for his My Lai disclosures, will speak at 11 a.m. Wednesday, April 23 in Graham Chapel. Hersh, who also helped to expose the CIA's domestic activities, will discuss, "The CIA and the Press." His revelations over the past years include the secret bombing of Cambodia, the alleged CIA involvement in Chilean President Allende's downfall, and Secretary of State Kissinger's wiretapping incident. His talk is co-sponsored by the Assembly Series and the Student Academic Committee.

A COMBINED BA-MBA PROGRAM is being offered by the WU Department of Germanic Languages and Literatures in conjunction with the Graduate School of Business Administration. The combined degree is useful for students who intend to work with German and European companies during their careers. The five-year program consists of three years of undergraduate work in the College of Arts of Sciences, and two years of graduate work in the Business School and the Graduate School of Arts and Sciences. It is recommended that the student spend his third year in Germany at the University of Tübingen.

ROBERT L. WILLIAMS, professor of psychology and Black Studies and director of the Minority Mental Health Program at WU, will appear on *CBS Reports* at 7 p.m. Tuesday, April 22 on KMOX-TV. He will discuss "The I.Q. Myth."

The **WU Record** is published weekly during the academic year by the Office of Information, director, Roger Signor; editor, Kathy Pearson; contributing editors, Dorothy Brockhoff, King McElroy; calendar editor, Anne Hallett. Photographs by Herb Weitman, Rick Levine and Gail Cissna. Address all communications to the editor, Box 1142.



Though Eliot Fountain seems an unlikely spot for a sailboat and canoe to dock, it was the site of an Outing Club display for a student activities fair at the Admission's Office "Spring Thing," April 13-14. Approximately 360 high school seniors from throughout the country attended the weekend, designed to acquaint prospective students with academic and extracurricular aspects of the campus.

(Photo by Herb Weitman)

A CRAFTS FAIR designed to bring the country to the campus is scheduled for Saturday, April 19 from 11 a.m.-5 p.m. in the Wohl Center Area, rain or shine. The fourth fair of its kind, it will feature demonstrations of craft skills; sale of craft items, food and plants; folk-dancing; makeup and performance by professional clowns; and square dancing. Live folk music will be provided by the Missouri Corn Dodgers, the Boyer Family, Jane Grosby, Tom May and Dee Werner. For more information on the fair, sponsored by the South 40 Community Council, Office of Residential Life, Office of Campus Programming and South Forty Crafts Alliance, call Bear Facts in Mallinckrodt Center, 725-3660.

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## RECOGNITIONS

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PAULA JASPER, a WU biology student, received a National Science Foundation Postdoctoral Energy-Related Fellowship. Only 110 of these fellowships were awarded in the U.S. and WU was the only university in Missouri to have a student win the award. The fellowship provides a stipend of \$12,000 a year. Jasper will do research in molecular biology at Stanford University during the next academic year.

## Food Day Schedule

Economists, biologists, businessmen, and environmentalists will participate in five Food Day teach-ins April 17-18 on campus. The schedule is:

**Thursday, April 17, 8 p.m.,** Stix House, "The International Food Crisis," with Bob Klepper, an agricultural economist from the Center for the Biology of Natural Systems who attended the Rome Food Conference, Mike Gertler, CBNS research assistant, Garland Allen, associate professor of biology, Robert Morgan, director of the Center for Development Technology, and Anita Mackie, assistant professor of health services in preventive medicine.

**Friday, April 18, 9-11 a.m.,** 303 Mallinckrodt, "Food and Nutrition," with Kathy McKlusky, Dietetic Education program, Barnes Hospital, Dr. Clarence T. Smith, president, Clinical Nutrition Society, and Bob Greenblatt, Organic Gardening Club; 11 a.m.-1 p.m., staff room, third floor, Women's Bldg., "Food and the Environment," with Daniel Kohl, associate professor of biology, Stuart Leiderman, Environmental Response, and Jerry Caulder, Monsanto; 1:30-3:30 p.m., "Agribusiness and Its Alternatives," staff room, Women's Bldg., with James Layton, Ralston Purina, Herb Kaufmann, Schnuck's Supermarkets, Carol Snyder, Limit Ave. Co-op, and Erhard Pfingsten, past vice-president, National Farmer's Organization; and 3-5 p.m., 303 Mallinckrodt, "Food and Social Services," with Micki Rosen, Human Development Corporation, Mary Ann Fiske, St. Louis Tax Reform Group, Leroy Zimmerman, Food Crisis Network, Dorothy Brown, a welfare mother, and Jeanetta Cole, who will speak on nutritional budgeting.

Other Food Day events include two films, "Diet for a Small Planet," at 6 p.m. Thursday in Wohl Formal Lounge and 3 p.m. Friday in the audio-visual room, Mallinckrodt, and "Search for Organic America," at 7 p.m. Friday in Wohl Formal Lounge; a demonstration of composting and organic gardening at 4 p.m. Friday southwest of Wohl center; a demonstration of survival foods from 10 a.m.-2 p.m. Thursday, Bowles Plaza, and a natural foods bake sale and a folk concert by Larry Sugarman, both from 11 a.m.-1 p.m. Friday in Bowles Plaza. For further information call the Office of Campus Programming, ext. 4542.

Fifty-eight of the WU School of Medicine's largest class of 127 will begin practicing in St. Louis following graduation in May. Of the 45 per cent of the class staying here, the largest number, 32, will be interning at Barnes.



# Calendar

April 17-23

THURSDAY, APRIL 17

**9 a.m.-12 noon.** The Mr. and Mrs. Spencer T. Olin Conference on "The Status of Women" Panel 2 Discussion, "Political Status of Women: Women as Lawmakers and Voters," Marguerite Ross Barnett, professor of political science, Princeton, moderator. Women's Bldg. Lounge.

**11 a.m.-4 p.m.** Free Bicycle Clinic, with representatives from Touring Cyclists available for advice and tuneup. Sponsored by Mallinckrodt Programming Board. Bowles Plaza. (Umrath archway in case of rain)

**2-5 p.m.** The Mr. and Mrs. Spencer T. Olin Conference on "The Status of Women" Panel 3 Discussion, "Legal Status of Women in American Society: The Problems of Policy Formulation and Implementation," Robert Salisbury, professor of political science and director, Center for the Study of Public Affairs, WU, moderator. Women's Bldg. Lounge.

**4 p.m.** Eighteenth Joseph W. Kennedy Memorial Lecture, sponsored by Department of Chemistry, "The Energy Problem and Nuclear Power," Professor Hans A. Bethe, Laboratory of Nuclear Studies, Cornell. 458 Louderman. Coffee at 3:30, Millstone Lounge Level 4 between McMillen Lab, and Bryan Hall.

**8 p.m.** The Mr. and Mrs. Spencer T. Olin Conference on "The Status of Women" Closing Address, "Alternatives for Social Action: The Future Status of Women," Carolyn Shaw Bell, Katherine Coman Professor of Economics, Wellesley College. 316 Mudd Law Bldg.

**8 p.m.** Poetry Recital, in French, sponsored by the Department of Romance Languages and Alliance Francaise of St. Louis. "Six siecles de poesie francaise," Madame Monique Royer, Service Culturel de France. Brown Hall Lounge.

**8 p.m.** Food Day Opening Teach-in, "The International Food Crisis," Mike Gertler, research assistant, and Bob Klepper, agricultural economist, both of WU's CBNS; Garland Allen, WU associate professor of biology; Robert Morgan, director, WU Center for Development Technology; and Anita Mackie, assistant professor of health services in preventive medicine, WU Medical School. A complete listing of subsequent Food Day events Friday, April 18 is contained on page 3 of today's *Record*.

FRIDAY, APRIL 18

**4 p.m.** Department of Economics Seminar, "Some Problems with the Problem of Social Cost (Coase)," Professor Robert Kohn, Southern Illinois U. 11 Prince.

SATURDAY, APRIL 19

**11 a.m.-5 p.m.** Crafts Fair, sponsored by South Forty Community Council, Office of Residential Life, Office of Campus Programming, and South Forty Crafts Alliance. Outdoor demonstrations, craft displays, live folk music, food, dancing, plant clinic. Wohl Center Area.

**12:30-4 p.m.** Grant's Farm Trip, sponsored by the Campus Y. Call 863-0100, ext. 4286 for more information.

SUNDAY, APRIL 20

**7:30 p.m.** Slide Show and Lecture, "The Chinese People's Cultural Revolution," Professor Stanley Spector, WU Department of Chinese and Japanese. Steinberg Hall Gallery.

MONDAY, APRIL 21

**3 p.m.** The George Warren Brown School of Social Work Colloquium, "The Economic

Viability of Social Work in the Group Medical Practice Setting," Peter G. Hookey, doctoral student. Brown Hall Lounge.

**4 p.m.** Division of Biology and Biomedical Sciences Seminar, "Hormonal Control of Flower Formation," Dr. Jan A. D. Zeevaert, Plant Research Lab., Michigan State U. 213 Rebstock.

TUESDAY, APRIL 22

**4 p.m.** Division of Biology and Biomedical Sciences, "A New Look at Mammalian Chromosomal Proteins," Dr. Edwin McConkey, Department of Molecular, Cellular and Development Biology, University of Colorado. 213 Rebstock.

**4 p.m.** Physical-Inorganic Topical Group of the St. Louis Section of the American Chemical Society, "Alpha Particles for Chemical Analysis in Space and on Earth," Anthony L. Turkevich, James Franck Distinguished Service Professor of Chemistry, Department of Chemistry, U. of Chicago. 458 Louderman. Coffee at 3:30 p.m. 561 Louderman.

WEDNESDAY, APRIL 23

**11 a.m.** Wednesday Assembly Series, sponsored by the Academic Committee, "The CIA and the Press," Seymour Hersh, reporter, NY Times. Graham Chapel. Discussion at 2 p.m., Women's Bldg.

**4 p.m.** Department of Sociology Colloquium, "Explaining Compliance Behavior in a Hypertension Treatment Program," Daniel P. Mueller, Department of Sociology, Yale. 111 McMillan.

**4:30 p.m.** Division of Biology and Biomedical Sciences Seminar, "Role of Nerve Growth Factor in Neuronal Development and Function," Dr. Silvio Varon, Department of Biology, School of Medicine, U. of California-San Diego. Moore Aud.

**7:30 p.m.** Center for Biology of Natural Systems Seminar, "A Strategy for the Control of Environmental Cancer: The Role of Bacterial Mutagenesis," Barry Commoner, director, CBNS. 303-304 Mallinckrodt.

## FILMS

THURSDAY, APRIL 17

**6 p.m.** Food Day Film, "Diet for a Small Planet." Wohl Formal Lounge.

**7:30 and 9 p.m.** WU Filmboard Series, Ingmar Bergman's "The Ritual." Admission \$1. Brown Hall Theatre.

FRIDAY, APRIL 18

**3 p.m.** Food Day Film, "Diet for a Small Planet." Audio Visual Room, Mallinckrodt.

**7:30 and 9:30 p.m.** WU Filmboard Series, "Sleeper" with Woody Allen and Diane Keaton; and midnight, the Marx Brothers' "A Night at the Opera." Admission \$1 for one film, or \$1.50 for both. Wohl Center Line D.

**8:15 p.m.** WU Regular Film Series, "The Elusive Corporal," French film with subtitles. Admission \$1.50. Steinberg Aud. (also Sunday, April 20 at 2:30 p.m.)

SATURDAY, APRIL 19

**2, 4, 7:30 and 9:30 p.m.** WU Filmboard Series, "Sleeper"; and midnight, "A Night at the Opera." Admission \$1 for one film, or \$1.50 for both. Brown Hall Theatre.

TUESDAY, APRIL 22

**7:30 and 9:30 p.m.** WU Filmboard Series, Alfred Hitchcock's "The Wrong Man" with Henry Fonda. Admission \$1. Brown Hall Theatre.

WEDNESDAY, APRIL 23

**7:30 and 9:30 p.m.** WU Filmboard Series, Ingmar Bergman's "Cries and Whispers" with Liv Ullman. Admission \$1.25. Brown Hall Theatre.

## EXHIBITIONS

"Thesis Exhibition '75," featuring work by 24 candidates for master of fine arts degree in May, including paintings, prints, sculpture, multi-media, graphic communications and metalsmithing. Steinberg Hall. Weekdays 9 a.m.-5 p.m.; Saturday 10 a.m.-4 p.m.; Sunday 1-5 p.m. Through April 23.

"Performing Arts Revisited," a display of memorabilia covering the history of the WU performing arts from 1900 to the present. Olin Library, level three. Monday-Thursday 8 a.m.-midnight; Friday 8 a.m.-10 p.m.; Saturday 9 a.m.-10 p.m.; Sunday 11 a.m.-midnight.

Literary Manuscripts Exhibit, illustrating relationship of authors, editors and publishers working together to achieve publication of a literary work. Olin Library, fifth level. Monday-Friday 8:30 a.m.-5 p.m.

"The Visual and Kinesthetic Art of Dance," a collection of 39 photographs of students and faculty members in the Performing Arts Area's Dance Division, by David Henschel, St. Louis photographer. The exhibition is the result of three months of intensive study of dancers in the Edison Dance Studio. Mallinckrodt Center, Lower Gallery. 7 a.m.-midnight daily.

## MUSIC

FRIDAY, APRIL 18

**8 p.m.** Special Concert by the WU Madrigal Singers, Orland Johnson, director, and the Camarata. Holmes Lounge.

**8 p.m.** String Band Concert, with The Original Missouri Corn Dodgers, historical commentary included. Sponsored by Alpha Sigma Lambda Scholarship Fund. General admission \$1.75; students \$1.25. Graham Chapel.

SATURDAY, APRIL 19

**8 p.m.** Classic Guitar and Renaissance Lute Recital, by Stephen Toombs, graduate student. Sponsored by the Department of Music. Graham Chapel.

**12 midnight.** Midnight Concert Series, featuring compositions commissioned for the concert and several pieces by WU composers for live players and electronic media. Graham Chapel.

MONDAY, APRIL 21

**8 p.m.** Graduate Voice Recital, by Mary Volansky, soprano. Sponsored by the Department of Music. Graham Chapel.

## PERFORMING ARTS

FRIDAY, APRIL 18

**8 p.m.** Performing Arts Area Production, Gilbert and Sullivan's *Patience*, a satire on the aesthetics of Victorian England, directed by Nancy Cole with musical direction by Jack Brown, who conducts the WU Orchestra. General admission \$3; WU community and all students \$1.50. Edison Theatre. (Also Saturday, April 19 at 8 p.m. and Sunday, April 20 at 2:30 p.m.)

MONDAY, APRIL 20

**8 p.m.** An Evening of French Farce, *Feu La Mere De Madame* (Madame's Late Mother) and *La Cantatrice Chauve* (The Bald Soprano), presented by WU's French Circle and the Department of Romance Languages. Drama Studio, Mallinckrodt Center. (Also Tuesday, April 21 at 8 p.m.)

## SPORTS

TUESDAY, APRIL 22

**3:30 p.m.** Baseball. WU vs. Southeast Missouri University. Utz Field.