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Lady Bears Show Progress In Varsity Debut

The WU Lady Bears chalked up the third win of their maiden season as a varsity team by beating Fontbonne College, 51-44, Tuesday night (Feb. 5).

Bari Golub, a 6-foot-2 sophomore and the team's highest scorer, led the assault against Fontbonne with 20 points, raising her points per game average to 14.8.

Golub is also the team's leading rebounder with an average of 13 per game.

Second in points Tuesday night was Peggy Clews, a junior, who added 14 points to the WU score.

Tuesday night's performance is an example of the "steady progress" the Lady Bears have shown this season, according to Coach Gaye Kinnett.

"Of course," she pointed out, "the team shows its lack of experience and lack of aggressiveness on the court, but they will improve in time."

The Lady Bears use a slowed-down pattern of offense. "Each player has a set position on the court," Kinnett said. "In the past, the team used the fast break, but the players aren't good ball handlers yet."

Coach Kinnett said the Lady Bears use a 2-1-2 zone defense, sometimes switching to a 1-3-1 zone. The team also uses the full-court and half-court press, she said.

Other high scorers on the team are Sharon Hollowell, a 6-foot junior who plays forward or center. She scored 77 points in the first seven games. Senior forward Carrie Kern has scored 68 points, 9 of them against Fontbonne, in

Visiting Artist-Blacksmith Turns Wheels of Imagination Into Sculpture

Brent Kington, the second Visiting Artist scheduled to lecture in the WU School of Fine Arts spring series, defines himself as a sculptor and educator. It's easy enough to document that he's a teacher—Kington has been a member of the faculty at Southern Illinois University's School of Art at Carbondale for almost 20 years.

But describing what he does as a sculptor is infinitely more difficult. Kington will cover his career in some detail on Wednesday, Feb. 20, when he speaks at 8 p.m. in Steinberg Auditorium.

No stranger to St. Louis (Kington had a show at Craft Alliance Gallery in Nov. 1973), his work ranges from delicate gold jewelry to large sculptures forged in iron and steel.

Kington began showing his work in 1962, and since that time has participated in almost 200 separate exhibitions including 14 one-man shows. Many of his unusual pieces have been published in Craft Horizons Magazine (now called Craft Horizons With Craft World), which did a three-page spread on him in late 1976 entitled "Brent Kington's Wheeling World." It included many of the whimsical wheeled sculptures which many observers have characterized as part of his "fantasy land." Of this work, Kington has observed: "The craftsman is a paradox as a contemporary man living in a highly industrialized community. He insists upon working with his hands and upon employing ancient and laborious techniques to make something. I don't know what motivates others in their work. For me the freedom and independence of pursuing with my hands an idea to its completed form is both physically and egoistically satisfying."

Among Kington's many works to win awards was

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Sculptor and master craftsman Brent Kington will give the second Visiting Artist Lecture Wednesday, Feb. 20, at 8 p.m., in Steinberg Auditorium. Kington's works range from delicate jewelry to large iron and steel works.
**WU Brainstorms Applications For NASA Satellite**

The National Aeronautics and Space Administration (NASA) has named the WU Center for Development Technology the site of a year-long brainstorming session on LANDSAT, a remote sensing satellite which produces detailed images of the earth’s surface.

Under a $100,000 contract from NASA’s Office of Space and Terrestrial Applications, the Center will plan model programs to explore opportunities in remote sensing for private businesses. “Our goal is officially termed ‘technology transfer,’” said Lester F. Eastwood, Jr., associate professor of technology and human affairs and principal investigator for the project. He pointed out that in the mid-1960s, NASA directed a similar transfer of communications satellite technology to private business.

Ideally, remote sensing data will be combined with aircraft imagery and existing statistics into computerized information packages. “The purpose of our project is to encourage ‘information middlemen,’ or entrepreneurs, to buy raw data and process it for specific customers,” Eastwood explained.

He has identified several potential avenues of use for the information packages. A local government agency, for example, might want to determine which residential areas with a large older adult population are being taken over by commercial developers. By overlaying data bases on age, income and new building permits with remote sensing-derived data on residential and business districts, urban planners can quickly pinpoint, measure and study these areas.

Similar applications of computerized information packages might be found for utility companies investigating new plant sites or commodity speculators surveying agricultural crops. Agribusiness, in fact, promises to be a prime candidate. According to Eastwood, authorities have used LANDSAT data to predict recent Soviet Union wheat crops with 99 percent accuracy months in advance of harvest.

Such predictions are possible because of LANDSAT’s unique capabilities. Orbiting at a 500-mile altitude, the satellite can image some 13,000 square miles in 25 seconds. It observes the earth through both visible light and parts of the infrared spectrum, transmitting raw digital data which can be computer-processed to show different landcovers or enhance features such as geological patterns, water depth and turbidity, vegetation, slopes and soils.

The first LANDSAT satellite was launched in 1972. Two others have followed since then, each able to sense details as small as one acre. A fourth satellite, planned for launch aboard the NASA Space Shuttle, will relay images seven times sharper.

A number of image-processing companies have begun operations in the U.S., but most of their customers are in developing countries.

**Adam Helfer Wins Rhodes Scholarship**

Adam D. Helfer, 21, a candidate for a BA degree from WU in physics (Dec. 1979), recently won a prestigious Rhodes Scholarship for two years of study at Oxford University in England.

Upon learning of the scholarship award, Helfer said the credit should go to WU. “This is definitely the best place I could have come for my undergraduate studies,” he said. “I’m sure I would not have been selected without the work and experience I had at WU.”

Helfer, an Arthur Holly Compton Fellow while at WU, placed among the top 100 in the prestigious Matthew Lowell Putnam Mathematics Competition, a national contest held last December. He combined his scientific interests in quantum field theory and general relativity with community involvement, serving as a tutor to junior high school students in the inner city as a Campus Y volunteer. He also was an active member of Filmboard, a residence hall judicial board and several staff selection committees.

**Visiting Artist—continued from p. 1**

“Air Machine #2,” cited by the American Iron and Steel Institute as an example of a “design that started out as imagination and was shaped into reality.” A decade ago, he was represented in The Iron Show, “which was probably the first exhibition featuring the efforts of the ‘new breed’ of blacksmith, primarily metalworkers with reputations earned as gold- and silversmiths who had turned to iron.” Of this show, Leon Nigrosh observed, “These artist-blacksmiths have not quite overcome the fascination of watching the red-hot iron twist and turn with each hammer blow.”

The 45-year-old Kington earned the Bachelor of Fine Arts degree from the University of Kansas in 1957, and the Master of Fine Arts degree from the Cranbrook Academy of Art in 1961. He resides in Makanda, Ill.

Other Visiting Artists at the School of Fine Arts who will lecture on successive Wednesday evenings in Steinberg Auditorium at 8 p.m. include: William Bailey, noted painter, Feb. 27; graphic designer and alumnus Charles “Chip” Reay, March 5; and John Mason, sculptor, March 19.

“I hope to get my best ideas from businesses that already exist,” said Eastwood, who will be evaluating new applications, both domestic and foreign. He plans an extensive survey and is currently looking for WU graduate students interested in technology or business to assist with the project.
Third Annual Career Fair Looks At Professions for the 1980s

Professionals working in a diverse range of careers will be on hand to discuss their jobs and how they prepared for them during the Third Annual Career Fair Monday, Feb. 11, through Thursday, Feb. 14, on campus. Entitled “Careers for the 80s,” the fair is sponsored by the Career Planning and Placement Service (CPPS) and Special Educational Services (SES).

Six to eight professionals will be available to answer questions regarding general requirements and opportunities in their fields and also to talk about their personal experiences in eight one-hour sessions, 11:30 a.m.-12:30 p.m. and 12:30-1:30 p.m. each day in the lower level of Mallinckrodt Center. Some of the professions which will be represented at the fair are engineering, journalism, education, law, health care, architecture, sales, theatre, art gallery operation, merchandising, accounting, air traffic control and neighborhood development. Several personnel experts from St. Louis-area companies will also participate in the fair.

Karen Coburn, a career development coordinator for CPPS and one of the fair’s organizers, noted that several of the speakers are working in fields different from areas they studied in college. Hazel Sprandel, associate director for special projects, SES, added that a number of the men and women are professionals in nontraditional male and female career fields.

A complete fair schedule is available at the CPPS office, 302 Umraith, or the SES office, 219 Umraith.

School of Medicine Urologist Dies

Justin J. Cordonnier, MD, longtime member of the WU School of Medicine faculty and former head of urology at Barnes Hospital, died Jan. 18 after an apparent heart attack at his home.

Cordonnier received the BS degree from WU in 1926 and the MD degree, cum laude, from the WU School of Medicine in 1928.

Cordonnier became instructor of clinical genitourinary surgery at the WU School of Medicine in 1938, later serving as an assistant professor and an associate professor until 1953.

From 1953 to 1970, Cordonnier was professor of urology and chairman of the department at the School of Medicine. He was named professor emeritus in 1970.

Cordonnier’s work in clinical research earned him a first prize from the American Urological Association in 1949, the Francis Amory Prize of the American Academy of Arts and Sciences in 1962, and the Raymond Guiteras Award from the American Urological Association in 1978. The latter is the highest award in the nation in the field of urology.

Cordonnier is survived by his wife, Jane; a son, Justin C. of Ladue; a daughter, Mrs. Frances McKinnon of Elmira, N.Y.; and three grandchildren.

Center for Archaeometry Gains New Grants

The National Museum Act (NMA) and the National Endowment for the Arts (NEA) have awarded grants to the WU Center for Archaeometry to continue its study of the conservation of outdoor stone and bronze monuments.

Under the $10,000 NMA grant, WU assistant conservator Carol A. Grissom will research the effect of various materials for consolidation and preservation of weathered stone.

Pioneering efforts established by the Center for the conservation of outdoor bronze statuary will be continued under the $12,200 matching NEA grant. This is the third year of NEA support for this study.

Both grant projects will be directed by WU conservator Phoebe Weil. Chief consultant on the stone investigation will be Norman R. Weiss, assistant professor in the graduate school of Architectural Preservation, Columbia University, New York.

Exhibit Features Lee Chesney Prints

Some 14 monoprints created by Lee Chesney this past fall when he served as Distinguished Visiting Louis D. Beaumont Professor of Art at the WU School of Fine Arts are on exhibit through March at the Mark Twain Parkway Bank, Olive Street and N. Woods Mill Road. Viewing hours are 9 a.m. to 5 p.m. weekdays and 9 a.m. to noon Saturdays.

Chesney executed the prints at the School’s Printmaking Workshop and Training Center in Lithography and Intaglio, 569 Melville Ave., University City, Mo. One print will become part of the WU permanent collection; another will become the property of the Missouri Arts Council which provided financial assistance for the establishment of the WU Printmaking Center. The Saint Louis Art Museum will acquire one print.

Gallatin Fellowship Applications Due March 7

Applications are available in the WU Office of International Studies for the Albert Gallatin Fellowship in International Affairs, which provides for a year of study at the Graduate Institute of International Studies, University of Geneva, Switzerland. The fellowship is open to PhD students writing dissertations in international law, politics, economics, institutions, and development. The application deadline is March 7. For further details, call Ext. 5958.
Calendar
February 8-14

SATURDAY, FEB. 9
7 p.m. WU Woman's Club and WU Men's Faculty Club Dinner Dance. All WU faculty and staff are invited. There will be a cash bar at 7 p.m., dinner at 8 p.m., followed by dancing to the music of the Kim Portnoy Trio. Whittemore House. Admission $10 per person. For reservations, call 997-0388 in the evenings.

SUNDAY, FEB. 10
7 p.m. Stix International House Discussion, "Making Decisions about Study Abroad Programs." Stix International House.

MONDAY, FEB. 11

WEDNESDAY, FEB. 13
4 p.m. Department of Chemistry Seminar, "New Developments in the Chemistry of Rhodium Clusters," Jose Vidal, project scientist, Union Carbide Corp. 311 McMillen Lab.

11 a.m. Assembly Speaker Lecture, "The Crisis in Cambodia," Chhang Song, former minister of information under the Lon Nol Cambodian regime, and president of the Cambodian Affairs Institute, Falls Church, Va. Graham Chapel.

THURSDAY, FEB. 14

2 p.m. International Development Faculty Graduate Seminar, "New Directions in Foreign Aid: Promise and Reality," John Bennett, WU prof. of anthropology; David Felix, WU prof. of economics; and Robert Morgan, chairman, WU Dept. of Technology and Human Affairs. Stix International House.

4:30 p.m. Department of Mathematics Colloquium, "Completely Integrable Systems and General Involution Theorems," Tudor Ratiu, prof. of mathematics, Princeton U. 199 Cullples 1. Tea will be served at 4 p.m. in 222 Cullples 1.

Performing Arts
FRIDAY, FEB. 8
8 p.m. Edison Theatre Presentation, the St. Louis Mime Festival with performances by Christine Ivich and Robert Post, of the St. Louis Soma Theatre; David Novak, of the Theatre Project Company; and former St. Louis Mary Lexa. Edison Theatre. Admission $5; $3.75 for WU faculty, staff and area students; $2 for WU students. Tickets available at the Edison Theatre Box Office. (Also Sat., Feb. 9, 2 and 8 p.m., Edison. Admission is $2 at the matinee.)

This untitled sculpture by Susan Gould, a senior at Mary Institute, St. Louis, is part of the High School Art Competition Exhibit on view in Bixby Gallery.

8 p.m. Filmboard Series, "The Buddy Holly Story," Brown. $1.75. (Also Sat., Feb. 9, same times, Brown; and Sun., Feb. 10, 8 p.m., Wohl Center.)

8 p.m. Classic American Film Series, "City Lights" and "A Man's Castle." Restock. $1.50.

12 midnight. WU Filmboard Series, "The Harrad Experiment." Brown. $1. (Also Sat., Feb. 9, midnight, Brown.)

SATURDAY, FEB. 9
8 p.m. Classic American Film Series, "A Farewell to Arms" and "Waterloo Bridge." Restock. $1.50.

MONDAY, FEB. 11
7:30 and 9:45 p.m. Historical Film Series, "Sacco and Vanzetti." Brown. $1.25. (Also Tues., Feb. 12, same times, Brown.)

WEDNESDAY, FEB. 13
7 and 9:30 p.m. WU Filmboard Series, "Face to Face." Brown. $1.75. (Also Thurs., Feb. 14, same times, Brown.)

THURSDAY, FEB. 14
7:30 p.m. "Hollywood Goes to College" Series, "Horse Feathers." David Konig, WU assoc. prof. of history, will lead a discussion following the film. Wohl Center, line D. Sponsored by the Faculty-Student Interaction Committee of the Residential Life Center.

Exhibitions
School of Fine Arts High School Art Competition Exhibition features the work of 26 St. Louis high school art students. Student works were selected for the show by a jury composed of members of the St. Louis art community. Bixby Gallery, Bixby Hall. 10 a.m.-12 noon; 1-4 p.m., weekdays. Through Feb. 15.

Proposal Wins Award
A WU physics student chapter is one of nine groups in the nation to receive special recognition and cash awards for a research proposal through the Society of Physics Students, an organization with more than 475 college chapters. The awards are made possible by a $2,500 grant from the Bendix Corporation.

WU's proposal was initiated by two undergraduate students, Mark S. Rzewski of Crestwood, Mo., and Kyong Y. Song of Ballwin, Mo. Using a polycrystalline metal film similar to aluminum foil, they will investigate a basic research problem in solid state physics, "Potential Distribution in Thin Films and Crystals from Scattered Electron Intensities."

Faculty advisor for the WU chapter is Patrick C. Gibbons, WU associate professor of physics.

Media Contest Underway
The American Psychological Foundation is accepting, through May 10, entries for its 1980 National Media Awards Competition. Materials submitted must include references to psychology and depict applications of psychological science. Media works accepted are newspaper and magazine articles, radio programs, TV or film, and books or monographs. First prizes of $1000 will be awarded in each of the five categories. Materials must have been published or produced after April 1979 and before May 1980. For complete details and entry forms, write the Public Information Office, American Psychological Association, 1200 17th St., Washington, D.C. 20036, or call 202-833-7634.

Harig Appointed Chairman
Thomas A. Harig, director of the WU General Services Department, has been appointed chairman of the Constitution and By-Laws Committee of the University Risk Management and Insurance Association, a national organization of university insurance officers.

Music
WEDNESDAY, FEB. 13
8 p.m. WU Jazz Trombone Ensemble Concert, directed by Bob Edwards, WU doctoral candidate in music. Gargoyle Coffeehouse, Mallinckrodt Center.

Sports
SATURDAY, FEB. 9
1:30 p.m. Women's Basketball. WU vs. Lincoln University. Francis Field House.