

BULLETIN

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KECK FOUNDATION GIVES \$195,000 GRANT

New fields of research will be opened and academic offerings will be expanded in both biology and geology as a result of a \$195,000 grant from the W.M. Keck Foundation. The grant will be used for purchase of a scanning electron microscope (SEM). Widely used by scientists for some 20 years, the instrument has a magnification range of 50 to 100,000 times in contrast to an optical microscope's 40- to 1,500-time magnification of an object. Capable of providing three-dimensional images, the SEM is used to examine surfaces of large and small specimens at extremely high magnifications. No other instrument can accomplish this task.

The new microscope will be complemented by the purchase of an energy dispersive analysis system, according to geologist Nowell Donovan. Installation in the Sid W. Richardson Science Building is expected to be completed by mid-spring.

Detailed examination of specimens will be a primary use in the biology department. A study of electron microscopy, which includes scanning electron microscopy, was begun in 1986 for graduate students in biology, psychology and medical technology. The new instrument will allow the study to be increased to two semesters in cooperation with the geology department to benefit directly some 30 graduate students. It also will provide on-campus technology for research by students and faculty members.

Biologist Kyle Hoagland, team teacher for the electron microscopy course, is author of numerous studies which include discussions of improvements in SEM techniques.

Examining tiny particles such as clay minerals and determining elemental composition of unknown minerals will be principal uses of the new equipment in the geology department. Described by Nowell as a "crucial tool in research projects on igneous, sedimentary and metamorphic petrology, paleontology and volcanology," the SEM will offer new opportunities for graduate students to participate in state-of-the-art research currently conducted by faculty members.

X-ray and analysis features of the SEM will permit scientists to determine the chemical makeup of the specimen through identification of its natural elements. "This is indispensable in studying specimen photographs and providing proper elemental interpretations," Nowell added.

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KECK FOUNDATION (continued)

The Los Angeles-based W.M. Keck Foundation, one of the nation's largest foundations in terms of annual grants, was established in 1954 by the late William M. Keck, founder of Superior Oil Company who created in his will the W.M. Keck Trust for the benefit of the foundation. Primary focus of the foundation centers on grants to universities and colleges throughout the United States with emphasis in the fields of science, engineering and medicine. It also provides limited support, with attention to programs serving Southern California, in the areas of community service, health care, precollegiate education and the arts.

A \$165,000 grant from the foundation in 1988 funded TCU's purchase of a spectrophotometer, a sophisticated instrument that reveals chemical properties by measuring the chemical's interaction with light.

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COMPUTER ASSISTANCE AVAILABLE

Computer assistance, in the form of both discounts and demonstrations, is available now for faculty and staff members as well as students. These are offered by the Tandy Corporation and IBM.

The discount on Tandy products for TCU-related persons has been increased to 30 percent. Price lists and catalogs are available through the Computer Center's user services office in Room 147 of the Sid W. Richardson Building. Additional information is available by contacting the University's Tandy representative, Jay Green, at 738-0251.

Special pricing on five system packages will be available until Feb. 15 through the IBM PS/2 Holiday Promotion for full-time faculty and staff members as well as degree-seeking students. Both hardware and fully installed software along with printer options are included.

IBM announced the PS/2 Loan for Learning Program to facilitate the purchase of a PS/2 by eligible faculty, staff and students. This offering is available to all faculty and staff members, self-supporting students and parents of qualified TCU students.

Additional information is available from the Computer Center's Help Desk, Ext. 6855.

IBM and Computer Craft will be on campus Thursday from 11 a.m. to 3 p.m. to demonstrate the promotional hardware and to answer questions. The demonstrations will be in Room 148 of the Sid Richardson Building.

TAIWANESE ACROBATS WILL PERFORM FEB. 4

When a dancing dragon from Taiwan bobbles across the stage of Ed Landreth Auditorium Feb. 4, the movement will be more than a crowd-pleasing act. The National Acrobats of the Republic of China will be bringing an element of folk culture to Texas with its two-hour performance of Bao Dao, which means "beautiful island." Chosen by the Republic of China to tour the United States, the troupe will include 45 acrobats, dancers, musicians and magicians accomplishing such feats as diving through flaming hoops and balancing on a tower of chairs.

The tale of a son of a poor man who became rich by taking a pearl from the mouth of a great black dragon as it slept under the sea will be portrayed through dance in "Dragon Snatches the Pearl." The story, which dates back to the Western Han dynasty, has survived as an essential part of all dragon routines. The orchestra will play instruments that have been traced back to prehistoric times, and dancers will execute the pull bell, a common children's game and juggling stunt which evolved from play with an ancient toy.

Bao Dao, sponsored by the Programming Council and Performing Arts Committee, will begin at 2 p.m. Tickets are on sale at the Student Center information desk and will be available at the door. The cost is \$3 with a TCU ID, \$8 for adults and \$5 for children.

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DANSCENE TO PRESENT SOLOIST

Molissa Fenley, an explosive modern dance soloist/choreographer, will perform at 8 p.m. Saturday at Caravan of Dreams. Admission is \$7 (\$3.50 for students, military personnel and senior citizens). Her Fort Worth appearance is funded by a grant from the Bass Foundation through the Arts Council of Fort Worth and Tarrant County to TCU with support from New Works Project. Ticket information is available at 877-3000.

Fenley has toured both nationally and internationally since 1980. She favors movement that is more distorted than conventional in line, and deliberate repetition is one of her trademarks. Anna Kisselgoff of The New York Times describes Fenley as "a dancer who has been unmatched on the experimental scene for her explosive, even primal, energy."

Her choreography has been commissioned by the American Dance Festival, Brooklyn Academy of Music's Next Wave Festival, Jacob's Pillow Dance Festival and the Serious Fun Festival at New York's Lincoln Center. Ohio Ballet and the Australian Dance Theatre also have Fenley works in their repertoires. In 1987 the PBS series "Alive from Off Center" aired a collaborative work by Fenley, John Sanborn and Mary Perillo.

Fenley received the National Endowment for the Arts Choreographer's Fellowship annually from 1981 through 1985 as well as the NEA Dance Company Grant in 1986 and a number of private foundation grants. She was artist-in-residence at the Harkness Ballet Foundation from 1984 to 1986 and at the Dia Art Foundation from 1986 to 1988.

STUDENT TEAM LEADERS SOUGHT

The TCU Leadership Development Program is looking for new student team leaders for this spring. Those selected will assist the University staff member in charge of the leadership class. They fulfill a multitude of roles including presentations to the class. As major role models for the leadership program, student team leaders are an integral part of the program's success.

The commitment to being a student team leader includes a training session, a meeting with the facilitator weekly and the seven class sessions. Qualifications include completion of Leadership I and/or II or having held a major leadership position on campus.

Applications are available at the Student Center information desk or in the Student Activities Office.

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NEW BOOK TRACES RANCHING HISTORY

Barbed wire may have been a Yankee invention, but it forever changed the face of ranching in Texas. Not only did it bring an end to the open range, but barbed wire--or the earnings from it--built the Renderbrook Spade, one of the large ranches of West Texas. The story is told with insight, admiration and humor in "Renderbrook, A Century Under the Spade Brand" by Steve Kelton, just released by TCU Press.

Established by entrepreneur Isaac Ellwood with the profits of his barbed wire venture, the ranch still belongs to Ellwood descendants. The Ellwoods were Yankees who took to Texas wholeheartedly, learning about ranching by hiring their managers carefully. The Spade is one of the few ranches begun during the period between the Civil War and the turn of the century to remain in family hands until the 1990s. Recollections of family members have been incorporated into this lively history.

The 100-year history of the Renderbrook Spade Ranch is also important because it mirrors the history of ranching in West Texas, tracing ranching's evolution from an open-range, longhorn-dominated industry to today's forward-looking specialized operations, which survive by using state-of-the-art technology in genetics, nutrition, marketing and range science. Today the Spade is as modern as any ranch in Texas and is run like a corporate business from an office in Lubbock. But it is still people and land.

Kelton is well qualified to tell the story of the Spade ranch. The San Angelo native gained an appreciation for large-scale ranching as a youngster in the 1950s and 1960s, spending his summers on the 200-section McElroy Ranch in Crane and Upton counties, where his grandfather, Buck Kelton, was manager. He is the son of Texas novelist Elmer Kelton, who wrote the foreword for "Renderbrook," and like his father works for the Livestock Reporter in San Angelo. He and his family live on a ranch in Coke County.

"Renderbrook" is illustrated with photos covering the full range of its 100-year history. Maps detail the West Texas location of the two major portions of the ranch. The 222-page book complete with notes and an index is available in the University bookstore.

FRYE TO SPEAK TO RETIREES

Colonial Cafeteria on Trail Lake will be the meeting place of the TCU Retirees Association at 11:30 a.m. Thursday. Bob Frye, associate professor of English, will speak on "Conversations with the absent: personal letters as essays."

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ART LECTURE SET JAN. 30

If you've wondered about the significance of the upside-down boats sitting just south of Ed Landreth Hall, worry no more. Just come to hear artist Dalton Maroney's lecture at 7:30 p.m. Jan. 30 in Student Center ballroom, and he'll answer your questions. The lecture will be followed by a reception.

Maroney, associate professor of art at UT-Arlington, created the art piece, which also has been housed in the sculpture garden at the Dallas Museum of Art during a Maroney showing there. His boat images are well known nationally. Maroney's work was included in "The Boat Show: Fantastic Vessels/Fictional Voyages," the April-August 1989 exhibition at Renwick Gallery in Smithsonian Institution's National Museum of American Art.

The Maroney work will stay at TCU until next November. Art chairperson David Conn hopes it is just the beginning of a series of outdoor sculpture installations which would, in effect, transform the entire campus into a gallery. In each case, he said, the artist would deliver a public lecture on his or her work. "These works would be more accessible to a larger audience because they are physical objects in a physical world," David said. "As faculty, staff, students and visitors walk through the campus, they would be actively engaging in a physical dialogue with contemporary art."

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BUSH WILL SPEAK TO BUSINESS STUDENTS

George W. Bush, the oldest son of President George H.W. Bush, is scheduled to speak Thursday as an executive-in-residence in the Neeley School of Business. The 4 p.m. presentation in Room 134 of Dan Rogers Hall is open to all students, faculty and staff members.

A managing general partner of the Texas Rangers, Bush joined Edward W. Rose in 1989 to lead an investor group in purchasing a controlling interest in the baseball team. As an active director of the Bedford-based Harken Energy Corporation, he works on mergers and acquisitions. His experience in the oil industry spans 14 years and includes the founding of Spectrum 7, a Midland-based oil exploration company which merged with Harken in 1986.

Bush also will address two upper-level marketing classes and lead an open forum presentation followed by a question-and-answer session.

NOTES ON FOLKS

An article entitled "Acerca del Teatro Camepsino de Luis Valdez" by ARTURO FLORES (modern languages) was published in *Tramoya: cuaderno de teatro*, Num. 22. enero-marzo, 1990. Another of his articles entitled "Compromiso y escritura: Miguel Méndez y la imagen referencial" will be published in the spring issue of *Confluencia*, Journal of the Department of Hispanic Studies, University of Northern Colorado.

Journalism's JACK RASKOPF is one of four featured speakers for today's (Tuesday) Fortunate Opportunity seminar on "Marketing Strategies for the Prosperous 1990s" sponsored by the Fort Worth Star-Telegram. The free half-day program is designed as a short course in advertising ad marketing techniques.

JOHN SHERIDAN (management) was in Puerto Rico Dec. 16-18 to conduct an executive development seminar on "Managing the Human Side of Manufacturing Innovation." The seminar was presented to Motorola Inc. executives as part of the corporation's Six Sigma strategy, which attempts to achieve world-class manufacturing quality. During his 1988-89 sabbatical leave, John helped design several management training components needed to implement this strategy during the next decade. Motorola's Six Sigma strategy received the first Malcolm Baldrige National Quality Award, one of the nation's highest awards to private industry established by Congress to motivate U.S. companies to improve their worldwide competitiveness through quality strategies.

WILLIAM BEEZLEY (history) participated in the Latin American Studies Association meeting in Miami Dec. 1-5 and the American Historical Association meeting in San Francisco Dec. 27-31.

RUTH WHITLOCK (music) presented a workshop at the annual convention of the New Mexico Music Educators Association in Albuquerque Jan. 11. Her subject was "Sing!: Exploring a New Music Text and Its Application in the Classroom."
DIANE DAVENPORT ROBERTS (B.M.E. '75) is the choral vice president of NMMEA.

NELL ROBINSON and LINDA HOOVER (nutrition and dietetics) attended the Dietetic Program Educators Conference sponsored by the Marriott Corporation in Washington, DC on Jan. 11-12. Fifty programs were represented at the conference, and the TCU Coordinated Program in Dietetics received one of the five \$1,000 awards presented.

VICTOR BELFI, ALEXANDRA KUREPA and BOB DORAN (mathematics) attended an American Mathematic Society meeting in Louisville, KY, Jan. 17-20. Bob organized and directed a special session on the topic of "Group Representations and Operator Algebras."

Sympathy is extended to JOE LASTER (facility services), whose father, William Leon Laster, died Jan. 13 in Amarillo.

Sympathy is extended to LOIS BANTA (personnel), whose mother, Mrs. Maxine Herr, died Jan. 17 in Phoenix.

ORGAN GRADUATE TO PLAY MONDAY

Alumnus Lew Williams, a professional musician who admits to a lifelong love of the huge theatre organs that created sound effects for silent movies, will play a light organ recital in Ed Landreth Auditorium at 8 p.m. Monday.

A 1975 graduate who studied with Emmet Smith, Lew attended the Conservatory of Music in Geneva, Switzerland, then earned the Master of Music degree at SMU in 1978 as a pupil of Dr. Robert Anderson.

His program of short works will range from Handel's Concerto in B flat to ragtime king Scott Joplin's "The Chrysanthemum" and "The Ragtime Dance." He also will perform toccatas by both Weaver and Durufle, Andantino and Carillon by Lemare, "Welcome the Queen" and March from "Things to Come" by Bliss, Meditation and Scherzo VI by Vierne, Barber's Adagio for Strings and Scherzo VIII by Widor. Also on the program will be Scherzo/Cats by Jean Langlais, noted French organist/composer, blind from infancy, who has performed at TCU.

By Lew's lifetime, silent movies and the Wurlitzer theatre organs were gone. In the '70s, though, theatre organs made a big comeback--primarily in pizza parlors. Businessman Bill Brown founded Organ Stop Pizza parlors in Phoenix, Mesa and Tucson that made Arizona the capital of the theatre organ world.

That's where Lew settled and served as staff organist for the restaurant chain from 1979 to 1987. He toured extensively, playing popular organ recitals throughout the United States and Canada. He has played three tours of England and served as the American clinician at the Theatre Organ Summer Workshop in London in 1988. In that same year, he was voted Organist of the Year by the American Theatre Organ Society. He has been both piano and organ soloist with the Scottsdale Symphony Orchestra.

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THEY'LL BE DANCING AT SCHOOL

There will be dancing in the aisles of 15 Fort Worth schools during the next couple of weeks, but nobody will make a fuss about it.

The New Century Dance Project, set up to build a diversified audience for modern dance in the Fort Worth area, will sponsor tours of middle and elementary schools from today (Tuesday) through Feb. 2. Visiting Meadowbrook, Dunbar, Leonard and Kirkpatrick middle schools today and tomorrow will be the prestigious Dallas Black Dance Theatre, a 10-member company which presents a varied repertoire of modern, jazz and classical dance works.

Members of the Fort Worth ensemble New Century Danscene will perform Jan. 30-Feb. 2 at Springdale, Charles E. Nash, Worth Heights, Morningside, Bruce Shulkey, De Zavala, Daggett, Westpark and T.A. Sims elementary schools, Dunbar 5th/6th Grade School and The Sycamore School. The project is funded by a grant from the Bass Foundation through the Arts Council of Fort Worth and Tarrant County to TCU with support from New Works Project.

TCU IN THE NEWS

In the Star-Telegram's Dec. 14 feature entitled "No time to stop and smell the roses?," BILL RAY (urban studies), who was identified as May instead of Ray, noted that the need to "create instant proximity between what we want and what we need to live our lives" has minimized the importance of the moment. Philosopher MIKE KATOVICH described us as "a nation of fast folks...reflected in our food, our gadgets and the fact that we're obsessed with getting things done quickly."

RON FLOWERS (religion-studies) was quoted in a recent article in the English-language Moscow News Weekly. The article, entitled "No One Has a Right to Encroach on the Conscience of Another: Reflections on the Third International Congress of Religious Liberty," was written by Alexander Nezhy, special correspondent for the magazine. It quotes from the paper Ron delivered to last summer's conference, stating his advocacy of strict separation of church and state on the premise that a union of religion and government tends to restrict freedom of conscience.

At noon Dec. 20, just 12 hours after the United States took up arms in Panama, DON COERVER (history) was in the Channel 5 studios answering Jane McGarry's questions on the noon news. Don also talked to reporters at the Dallas Morning News, Dallas Times-Herald and Texas State Network and was involved in a second interview at Channel 5 that evening.

The use of consulting services for both large and small companies is on the rise, according to an article in the Jan. 2 Star-Telegrams' Tarrant Business section about the consulting business of education's BEN STRICKLAND and CATHERINE GEDDIE. To date, General Dynamics is their largest client, for whom they've consulted since starting the business a decade ago.

"Big Bend yields bits of its time" was the title of Jon McConal's Dec. 19 Star-Telegram column devoted to psychologist RICH FENKER and his photographic essay entitled "Where Rainbows Wait for Rain." Reviews of the book appeared in the North San Antonio Times on Nov. 23, Houston Post on Nov. 26 and Hood County News on Oct. 18.

Alumnus DWIGHT NORDSTROM, recently returned to the United States after three years in Beijing, China, as a General Electric executive, was quoted in a Dec. 29 Star-Telegram feature. Speaker at the recent Southern Baptist Foreign Mission Board and Home Mission Board conference, he talked of his Christian approach to government people -- "trying to let them be tolerant of Christians and religion in general." He currently is president of Pacific Resources while his wife completes a three-year residency in emergency medicine.

The media's obligation in reporting government officials' activities was the focus of journalist ANANTHA BABBILI's comments on WFAA-TV Jan. 3 in connection with the resignation of Steve Murrin as city councilman.

"Executives can eat healthy with planning, discipline" was the headline Jan. 5 for the Business Press question/answer story with NELL ROBINSON (nutrition and dietetics). She offered suggestions on how an increasingly active executive population can maintain good eating habits.

CALENDAR OF EVENTS

- Jan. 24 --University chapel, Robert Carr Chapel, noon.
--Basketball, TCU vs. Texas Tech, Daniel-Meyer Coliseum, women at 5 p.m., men at 7:30 p.m.
- Jan. 25 --TCU Retirees Association, Colonial Cafeteria on Trail Lake, noon. Bob Frye will talk on "Conversations with the absent: personal letters as essays."
--Lecture by executive-in-residence George W. Bush, Dan Rogers Room 134, 4 p.m. Open to faculty, staff and students.
- Jan. 27 --Ranch Management Roundup.
--Basketball, TCU men and women at Baylor.
- Jan. 29 --Basketball, TCU vs. Northern Arizona, Daniel-Meyer Coliseum, 7:30 p.m.
--Light organ recital by TCU alumnus Lew Williams, Ed Landreth Auditorium, 8 p.m. Free. Sue Wheeler Smith memorial recital.
- Jan. 30 --Lecture by artist Dalton Maroney, whose boat-like work is exhibited in the area south of Ed Landreth Hall, Brown-Lupton Student Center ballroom, 7:30 p.m., followed by a reception.

CLASSIFIED

FOR SALE: Two 14-inch amber TTL monitors for IBM PC or clones; new in box, \$50 each. Call Larry Charlesworth, Ext. 6694.

FOR SALE: 1987 Mercury Sable, 14,300 miles; loaded, well kept, excellent condition; \$9,000. Call Kristi at Ext. 7800 or 921-2756 evenings.

APARTMENT FOR LEASE: Returning to England and need someone to take over lease (expires end of May) on two-bedroom apartment with fireplace, ceiling fans and security alarm. Utility deposits and January rent already paid. Unfurnished price but furnished with my furniture. Call 346-2631.

FOR SALE: 1983 Nissan Stanza, silver with sun roof, new tires; \$3,400. Call 346-2631.

WALK TO TCU: Clean, small one-bedroom apartment one-and-a-half blocks from campus; \$270 per month, no pets. Contact Morri at Ext. 6157 or 377-1902.

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OFFICIAL ABSENCES

Jan. 17, 1990

Students listed below must make up any class assignments that were missed. It is the responsibility of the student to arrange with his/her professor for the make-up. If you have any questions, call 921-7855.

Women's basketball team members who missed classes Jan. 16 to participate in a game at Rice University:

Berlinn, Laurie	Glover, Carol	O'Kelley, Erin
Boris, Andrea	Ham, April	Warren, Susan
Brinkley, Wendy	Hesse, Rachel	Wells, Joi
Dziuk, Janice	McKinley, Traci	Wise, Tami
Elkin, Jody	Nelson, David	Zeller, Liz
Giles, Deana		

Men's basketball team members who missed classes Jan. 17 and until 12 noon on Jan. 18 to participate in a game at Rice University:

Antee, Richie	Klinkenberg, August	Sibley, Craig
Crawford, Kelvin	Martin, Eric	Smith, Reginald
Edmond, Anthony	Mitchell, Mike	Strickland, Michael
Fromayan, Edwin	Morgan, Ernest	Tolley, Harvey
Lemond, Del	Oglesby, Keith	

Women's golf team members who missed classes on Jan. 17, 18, and 19, to participate in a tournament at Guadalajara, Mexico:

Allen, Tricia	Kealoha, Annette	Paysse, Sandra
Kragh, Jane	Paul, Kelly	