

Date	Stories and Cutlines	Locals	Reg. Daily	Reg. Week	50 M's	Hometowns	Selected	Explanation
1-8-1-77	Minerals & cutline	✓					✓	adj. counties
2-8-1-77	Women's Caucus	✓	✓					
3-8-1-77	Board of Regents							
4-8-1-77	Wind	✓	✓	✓				
5-8-1-77	Spurs	✓					✓	adj. counties
5-8-2-77	TSCPA Honor	✓						
6-8-2-77	R & T Grant	✓	✓					
7-8-2-77	Wind II	✓	✓	✓				
8-8-2-77	Sloan cutline	✓	✓					
9-8-3-77	Oldest Freshman	✓						
10-8-4-77	4 Cutlines - Wind Shortcourse					✓		
11-8-4-77	Soccer scholarships & funds	✓						
12-8-4-77	Wind III	✓	✓					
13-8-4-77	Business Degree	✓					✓	adj. counties
14-8-5-77	Madalupe Soils & cutline	✓			✓		✓	adj. list
15-8-5-77	Cutline - Natural History	✓						

# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136  
Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: Nita Gilger

LUBBOCK--The Women's Law Caucus at Texas Tech University was born about three years ago in an effort to effect some changes in conditions in the School of Law.

Complaints ranged from inadequate bathroom facilities for women law students to sexism and sexist language in law school classrooms.

The caucus, now a full-sized organization, has become a resource for women interested in or enrolled in law school. It also serves as an information channel for community women on women's rights.

Women's Caucus president Linda Groves, second year law student, said the organization's early efforts were met with a high level of response. She added that Texas Tech President Cecil Mackey's efforts this year to de-sex the language on campus also proved helpful.

During the past two years the Women's Caucus began a series of publications aimed at blunting efforts to rescind the Equal Rights Amendment (ERA).

One of the Caucus' most recent projects was production of a 35 millimeter slide show on abortion. "Its message is an appeal to keep abortion legal," Groves said. The show does not approach the subject on moral grounds.

"The idea of the presentation is to inform the public about the current laws on abortion---not to try to influence individual

-more-



women's caucus / add one

decision-making," Groves explained.

The slide show is available upon request.

The caucus was awarded a grant of \$300 from the American Bar Association and the Law Student Division (ABA/LSD), with matching funds from the Law School Foundation, for the study on abortion.

The Women's Caucus also sponsors a speaker's bureau of law students. Some of the topics are women's rights in general, wife abuse, and laws on marital property. Speakers are available on request.

The caucus also plans to sponsor a Law Day in conjunction with Phi Delta Phi, law fraternity. The day will include mock trials, mock classroom situations and a seminar on special problems. One of the latter may center on "How to Manage a Family and Go to Law School."

The group is not exclusively for women. There are also approximately six male members and 20 females, some of whom are interested in supporting the feminist causes. "We have all degrees of feminists," Groves said.

The organization meets once a week for a brown bag luncheon, featuring a guest speaker, drawn from the faculty, community or law student body.

"We are interested in getting more women into law school," Groves said. "There is a need for capable, visible women attorneys to help change laws that cause discrimination."

Approximately 25 per cent of the Texas Tech law students are women.

women's caucus / add two

There are future plans to start a day care center for women with children who are interested in coming back to school, Groves said.

"Women have the opportunity to advance in the legal field. We've just got to take the ball and run with it," Groves commented.

"If the world becomes a better place for women, then it will be a better place for men too."

-30-

2-8-1-77

cutline-----

MINERAL BEAUTY--Minerals supply beauty as well as wealth, and some of the most unusual in the collection of The Museum of Texas Tech University are on display now. Upper group, left to right, are Laguna Agate from Laguna Ranch, Mex., chalcedony and quartz geode and a Brazilian agate. Below are, left to right, fortification agate from Uruguay, Jasper concretion from Utah, and bornite and arsenopyrite in quartz from Arizona. (Tech Photo)

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1-8-1-77

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CONTACT: B. Zeeck

LUBBOCK--On the West Texas Plains an important part of the world's beauty is covered with farmland and invisible to the passerby. But at The Museum of Texas Tech University a wealth of that hidden beauty in minerals is on display.

Curator for the mineral collection is Texas Tech geosciences Prof. Vestal L. Yeats. He explained that the display has no relationship to the economic value of minerals but only to their beauty.

"Minerals are a part of the earth we walk on," he said. "Man is dependent upon them for their economic value, but beyond that there is a great deal of beauty in mineral formations.

"We have tried to select for this exhibit some from our collection that have outstanding beauty rather than the examples of economically important minerals."

In addition to lighted cases, a portion of the exhibit allows the visitor to push a button to see fluorescent minerals glow in ultraviolet light.

"Our goal," Yeats said, "is to have a hall of minerals eventually. There would be a permanent display of minerals valued for their economic importance as well as those which give pleasure only in their beauty of form."

The minerals now on display are from several collections gathered from throughout the world. Their beauty is in color as well as form.

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CONTACT: B. Zeeck

LUBBOCK--One of the horseman's most important tools is the spur, and The Museum of Texas Tech University has placed on exhibit a part of a newly acquired collection showing the great variations in craftsmanship.

The spurs were donated by John T. Montford of Lubbock, and those on display include both historic and modern examples from the United States, Great Britain, Germany, Mexico, Chile and Argentina.

One pair of historic significance are handmade spurs which once belonged to the outlaw, Billy the Kid. These simple spurs are in sharp contrast to others ornamented with silver and pearl.

The exhibit includes spurs used on some of the great ranches of Texas, including the XIT, the Waggoner 3D and the Waggoner Ranch.

There are riding spurs, ornamental Mexican and western U.S. spurs as well as English women's hunting spurs.

Along with the historic examples are spurs worked by major modern manufacturers.

A portion of the Montford collection, showing typical examples, will be on display throughout the summer at The Museum, 4th and Indiana, Lubbock.

Montford started his collection about the time he started elementary school. He gave the collection to The Museum because

-more-

spurs / add one

he had found that few such institutions have this type collection. He added that spurs are an important part of western Americana.

"A lot is lost to history," he said, "if there is no repository for artifacts. Spurs are a part of history that should not be lost."

An uncle, C. T. Montford of Bridgeport, Tex., bought him his first pair of spurs. Although he grew up in Fort Worth, Montford spent his summers working on farms in West Texas and, when his uncle was a foreman for Colorado's 3R Ranch, Montford worked as a cowboy.

His parents, Mr. and Mrs. T. L. Montford, live at 924 Walter, Hurst.

3-8-1-77

cutline-----

SPURS--A part of the Montford Spur Collection, newly acquired by The Museum of Texas Tech University, includes this pair of brass inlaid Mexican spurs from Baja California. Opposite each rowel are bells which jingle as the horseman travels. Cowboys call them "jingle bobs." (Tech Photo)

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3-8-1-77



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CONTACT: B. Zeeck

LUBBOCK--What is the wind? From where does it come? The questions are age-old, but answerable now by wind engineers. They recently described the nature of winds for participants in a short course on "Designing for Wind," meeting Aug. 1-3 at the Lubbock Municipal Civic Center. The short course is one of two being presented this week by Texas Tech University's Institute for Disaster Research. The second, Aug. 3-5, will deal with "Designing for Tornadoes."

Institute Director Joseph E. Minor introduced the sessions with a lecture on the nature of winds.

At gradient level, about 1,000 feet off the ground, winds are not affected by ground friction, he pointed out, but below gradient height, the windspeed is influenced by drag forces induced by obstacles around and over which the air must flow. The air flow near the ground is retarded. Additionally, the flow becomes turbulent.

"The rougher the ground surface, the more pronounced both of these effects become," he said.

Turbulence induced by the interaction of moving air with obstacles is "mechanical" turbulence, while turbulence caused by thunderstorms is "meteorological."

-more-

wind / add one

Engineers, he said, must design for fastest-mile wind. This is defined as the average speed of one mile of air passing an anemometer---usually located about 30 feet off the ground in open terrain. For instance, a fastest-mile wind speed of 120 miles per hour means that a "mile" of wind passed the measuring device during a 30-second period.

In addition to the gusting winds, however, the engineer must understand that a structure does not respond fully to a narrow gust. The gust, to be fully effective on a structure, must be broad enough to envelop both the structure and the flow patterns on windward and leeward sides which are responsible for the maximum loads on the structure.

Wind gusts are fluctuations about the mean wind speeds, or the mean value of a wind speed record taken over some time interval.

"The response of the structure," Minor said, "depends upon the mean wind speed, the correlation between gust size and structure size and the correlation between gust frequencies and natural structural frequencies."

In describing the origin of wind, Minor explained that the wind derives its energy primarily from the sun. Solar radiation produces temperature differences, and these produce atmospheric pressure differences at various points on the earth's surface.

These temperature differences produce atmospheric pressure forces which act on the mass of air. In addition, the rotation of the earth produces what is called "Coriolis force" on the mass of air. Combination of these forces produce movement of the air which is known as the gradient wind.

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CONTACT: Jimmy Tate

LUBBOCK--Drs. Dan M. Guy, professor, and Doyle Z. Williams, coordinator, both of the area of accounting at Texas Tech University, were accorded signal honors by the Texas Society of CPAs (TSCPA) for 1976-'77 at the annual meeting in New Orleans.

Guy was named most outstanding committee chairman by the TSCPA. He served as chairman of the Continuing Professional Education Council (CPEC). He is only the second educator to hold the position.

Guy was cited for his "outstanding leadership and accomplishments" in providing continuing professional education to the 11,000 TSCPA members. Society president Stanley H. Voelkel of Houston cited innovations made by the CPEC, including new course development and discussion leaders' training.

In recognition, Guy was re-named chairman of the CPEC for 1977-'78.

Williams was re-elected for a second term as president of the Educational Foundation of the TSCPA for 1977-'78. He is also only the second educator to serve in this capacity.

The Educational Foundation, in Dallas, is a non-profit, educational division of TSCPA, organized to assist in promoting educational programs in accounting, the study of accounting and accounting research.

-more-

TSCPA honors / add one

Since its inception in 1959, the foundation has granted 1,338 loans totaling \$857,920 to accounting students of Texas senior colleges participating in the program. The foundation also awards graduate accounting fellowships to five outstanding graduates in accounting from Texas colleges and universities.

Williams is serving a four year term as a trustee, as well as president, of the foundation.

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5-8-2-77

# TexasTech News

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CONTACT: Mark Haller

LUBBOCK--Texas Tech University's Research and Training (R&T) Center in Mental Retardation has received a \$514,527 grant to support its basic research and training activities for the seventh year of operation.

The grant is from the Rehabilitation Services Administration (RSA), Office of Human Development in Washington, D.C.

The grant will finance about half of the center's operation. The balance of operational funding is received from other federal, state and private agencies.

"The center's mission is to alleviate disability and assist handicapped persons in becoming independent," said Dr. Gerard J. Bensberg, director.

Research activities funded by the grant will include studies of methods for maximizing work potential of disabled persons, as well as promoting their adjustment and participation in the community. In addition, researchers will explore needs of persons with multiple handicaps and methods of counseling retarded persons.

The center will disseminate research findings for use by practitioners primarily in the states of Arkansas, Louisiana, New Mexico, Oklahoma and Texas. Training conferences will be conducted at local, state, regional and national levels. Materials, including

-more-

r&t grant / add one

a manual for training paraprofessionals to work with speech handicapped persons, will be developed and distributed.

Training of university graduate and undergraduate students will continue at the center.

Of the 19 RSA-funded R&T centers in the U.S., the Texas Tech Center is one of three specializing in the study of mental retardation. The two other similar centers are at the University of Wisconsin at Madison and the University of Oregon at Eugene.

The Tech Center employs a staff of 40 professional and supportive personnel representing such fields as psychology, special education, rehabilitation and related medical sciences.

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6-8-2-77

# Texas Tech News

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CONTACT: B. Zeeck

LUBBOCK -- Hurricanes, tornadoes, waterspouts and dust devils have, for engineers, lost a lot of their mystery. And as the mysteries unravel, the engineers are learning to build for protection against the worst the winds can do.

Texas Tech University's Institute for Disaster Research, a pioneer in the field of wind engineering, is conducting two workshops for specialists this week, the first on Designing for Wind and the second, Aug. 3-5, on Designing for Tornadoes.

Discussions Tuesday (Aug. 2) dealt with building codes, what they are and what they ought to be.

Earlier a meteorologist, Dr. Richard E. Peterson of the Texas Tech geosciences faculty, defined and described meteorological terms describing severe weather: hurricanes, tornadoes, waterspouts, dust devils, downslope winds, thunderstorm outflows.

Sessions also included a slide presentation of examples of wind-caused building failures documented in the institute's files of 31 field investigations. Texas Tech civil engineering Prof. James R. McDonald made the presentation.

Examples came from the Joplin, Mo., May 11, 1973, windstorm; Cyclone Tracy, Darwin, Australia, Dec. 25, 1974; the Hereford, Tex., tornado, April 19, 1971; Hurricane Celia, Corpus Christi, Tex., Aug. 3, 1970; the Lubbock tornado, May 11, 1970; the Omaha tornado, May 6, 1975; the tornado at Monroe Central School, Indiana, April 3, 1974; the Xenia, Ohio, tornado, April 3, 1974; and the Atlanta, Ga., tornado, March 24, 1975.

-more-



A cyclone, Peterson said, is an atmospheric circulation with horizontal winds flowing counterclockwise in the northern hemisphere and clockwise in the southern hemisphere around an area of low pressure. An anticyclone is an atmospheric circulation with horizontal winds flowing clockwise in the northern hemisphere around an area of high pressure.

Hurricanes are the most intense of tropical cyclones. In the Indian Ocean they are called "cyclones" instead of hurricanes. Other common names are "typhoon" and "baguio."

By whatever name, the storms are damaging. An average hurricane has winds of 73 m.p.h. or faster over an area of 100 miles in diameter, and gales above 40 m.p.h. may cover an area 350 to 400 miles across. The "Great Atlantic Hurricane" of 1944 had hurricane winds over an estimated diameter of 200 miles and gales covered a distance of 600 miles.

In addition to the hurricane itself, tides and storm surges, floods and accompanying tornadoes cause major damage, Peterson said.

Long after the winds of Hurricane Diane in 1955 died, floods in Pennsylvania, New York and New England killed 200 people and did an estimated \$700 million damage. In 1972, remnants of Hurricane Agnes dumped record-breaking rains on the east coast, and flooding caused billions of dollars of damage to areas which had never before experienced high water.

Tornadoes appear occasionally in hurricanes, Peterson said, but usually are spawned by thunderstorms. They are related to vorticity, the local rotation of the air due to curving motion and wind shears.

Tornadoes form when vorticity is concentrated into a limited column beneath a thunderstorm. On the plains three meteorological conditions are common in tornadoes: a low level layer of moist air surmounted by an upper level layer of dry air, narrow bands of strong winds in both the upper and lower air layers, and a triggering mechanism. A cold front, movement of the dry line or unequal heating at the ground surface can serve as the trigger which produces mixing from unstable situations.

"In the last 50 years," Peterson said, "there has been a great increase in the number of reported tornado occurrences, largely because of a better system of reporting rather than a change in climate."

Almost all tornado activity in the United States occurs east of the Rocky Mountains. Although tornadoes have been recorded in every month, the peak season varies with location. Generally April through July represents the peak season.

cutline-----

WIND ENGINEERING STUDENTS--Among participants in two shortcourses in designing for wind and tornadoes, conducted by Texas Tech University's Institute for Disaster Research, were, left to right: Donald M. Moore, senior engineer, Jet Propulsion Laboratory, Pasadena, Calif.; Dr. Joseph E. Minor, director of the Disaster Research Institute; D. S. Ramachandra Murthy, scientist, Office of Technical Cooperation, Balcones Research Center, and Structural Engineering Research Center, Ayyar Madras, India; and Vance A. Myers, meteorologist, National Weather Service, Fairfax, Va. The courses were conducted Aug. 1-3 and 3-5. (Tech Photo)

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CONTACT: Dan Tarpley

LUBBOCK--Young in heart and mind, but in all likelihood the oldest freshman in the United States, John Wesley Phillips has enrolled for the fall semester at Texas Tech University.

The spry 89-year-old Lubbock student is getting a bit of a head start on some of his younger classmates by boning up on freshman English and mathematics in preparation for the beginning of classes Aug. 29.

Even though he was a fifth grade dropout when a lad, learning and studying and taking examinations are not exactly new to him. Less than four months ago he was graduated with a high school equivalent certificate from the Lubbock Adult Learning Center in Lubbock's public schools system.

Phillips will meet Texas Tech classes two hours daily, Mondays, Wednesdays and Fridays. He doesn't drive any more, so he will ride city buses from his apartment to and from the campus.

"I'm continuing my education because it helps keep my mind active; it gives me an opportunity to be with a crowd and to associate with young people," Phillips said. He's looking forward to the college experience.

He spent most of his life as a common laborer, he said, but about the last eight years of his working life as a carpenter.

-more-

oldest freshman / add one

He came to Lubbock County first in a covered wagon in 1898 at age 10. Most of his years have been spent on the South Plains of Texas.

As a laborer he has worked at Texas Tech on construction projects at least three times, he said. But this will be his first experience as a college student. He has completed correspondence courses in diesel motors and electricity.

"My toughest course in the public schools adult learning center was algebra," he said. "I had to have some help in that from time to time, but the teachers and other students were understanding and accommodating." He enrolled in 1974 in the Adult Learning Center and did not miss a day of classes during the three years.

He recalls that the year 1911 was a big one for him. He married and filed on a 160-acre homestead at Midway in New Mexico. Regarding other memories, he said, "It's sometimes easier for me to remember some of the things that happened 50 or 60 years ago than it is the things that happened yesterday or last week."

He also recalls when cowboys tied their horses to a hitching rack on the west side of the Courthouse Square in Lubbock.

But Phillips doesn't dwell at length on things past. His concentration is on the present and the near future when he becomes indoctrinated into university life.

He's proud of his academic achievements. Upon graduation from the Adult Learning Center he received congratulatory messages from many notables, including Gov. Dolph Briscoe, Congressman George Mahon, State Senator Kent Hance, State Representative Froy Salinas, M. Norvel Young, former minister of the Broadway Church of Christ to

oldest freshman / add two

which Phillips has belonged for many years, and from T. H. Bell,  
U. S. Commissioner of Education, HEW.

-30-

9-8-3-77

cutline-----

89-YEAR-OLD FRESHMAN--John Wesley Phillips, 89, of Lubbock, has entered Texas Tech University as a freshman. University registration officials say he likely is the oldest college freshman in the U.S. He received the high school equivalent certificate from the Adult Learning Center of the Lubbock Public School System in the spring. Phillips is enrolled in freshman courses in English and math.

(Tech Photo)



cutline-----

BELIEVERS--Texas Tech University's No. 1 Red Raider fan may be Texas Tech President Cecil Mackey, right, who originated the idea of the "I Believe in Steve" T-shirts. The novelty shirts supporting head football coach Steve Sloan and his football program were unveiled at a news conference this week, and the sales have been brisk at the Texas Tech Bookstore on campus. The shirts soon will be available in other Lubbock retail stores and possibly even some area stores for out-of-town fans. Modeling the shirts are, from left, Sloan, defensive end Richard Arledge, offensive tackle and All-American candidate Dan Irons, and Dr. Mackey. Texas Tech's '77 schedule is printed on the back of the shirts. (Tech Photo)

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CONTACT: Dan Tarpley

LUBBOCK--Texas Tech University's all-volunteer soccer team and sponsors received \$400 in scholarship funds this week from donors Johnny Key and Roy Nolte of J and R Electronics.

Announcement of receipt of the supporting funds came from faculty co-sponsors Charles N. Kellogg and George L. Baldwin. Richard Combs, research associate in the Textile Research Center, is team coach.

The Texas Tech soccer team will operate on a \$2,100 budget through the Department of Recreational Sports, Kellogg said. The team will play 16 intercollegiate games with the first two scheduled for August 26 at Southern Methodist University and August 28 at North Texas State University.

Coach Combs said half the games will be played on Tech's home court, the Track Stadium, and the public is welcome. There is no admission charge.

"It's open house at every home game," he said. The season ends in November.

-30-

11-8-4-77

cutline-----

FOR KICKS--Johnny Key, seated left, signs a \$400 check for scholarships for Texas Tech soccer players. Key and Roy Nolte, standing, made the scholarship fund contribution to soccer coach Richard Combs, research associate in Texas Tech's Textile Research Center. The intercollegiate team and its program are financed with a \$2,100 budget through the Recreational Sports Department at the university. (Tech Photo)

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11-8-4-77

# Texas Tech News

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CONTACT: B. Zeeck

LUBBOCK--Few natural hazards cause more damage than wind in the United States. Yet in the inland regions of the United States little has been done in design or in building code provisions to improve structures against tornadic or other severe winds.

Remedies are available, according to engineers working in the Institute of Disaster Research at Texas Tech University. The engineers are providing specialists with some of the remedies in the second of two short courses offered by the institute in Lubbock this week (Aug. 3-5).

Improved forecasting, early detection, better warning systems and improved understanding of emergency procedures have reduced the number of deaths and injuries from severe winds, they said.

"But the increasing value of existing structures, coupled with urban sprawl, contribute to an increasing annual value of property loss from severe winds.

"This trend cannot be quickly reversed although much can be done in the design of new buildings to improve their resistance to severe winds," according to a paper distributed to short course participants. The paper was prepared by three Texas Tech faculty members in the Department of Civil Engineering, Chairperson Ernst W. Kiesling and Drs. Kishor C. Mehta and Joseph E. Minor.

In addition to loss of life and property, economic hazards of windstorms include, they added, lost productivity.

-more-

"Each year over 3 billion man-hours are spent under severe weather watches which are not empty threats, because in more than half of these watches a tornado event occurs somewhere in the area."

In building design the engineers suggest that people and critical functions or facilities should be protected in the smallest possible module.

"It is practical to design one small room, such as a closet, bathroom or hallway to provide nearly absolute occupant protection," the paper said. "It is also possible, through attention to detail in design, to reduce significantly damage to a building affected by severe winds."

Occupant protection can be provided in most new houses for as little as \$500, the authors stated. In existing houses a figure of \$1,000 is realistic. Although costs vary widely, occupant protection in public buildings, such as schools, can be provided at an increased cost of 1 to 2 per cent of building cost.

Guidelines have been developed for design of occupant protective shelters which would withstand forces encountered in 98 per cent of the recorded tornadoes in the United States.

The most common modes of failure in structures are uplift of roofs and roof sections, the removal of cladding or siding and damage to appendages, such as fences or outbuildings.

"These types of failure can be easily, and often economically, prevented for the vast majority of possible windstorm occurrences," the engineers said.

Texas Tech University faculty have pioneered wind engineering research with intensive studies beginning after the Lubbock tornado of 1970.

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ATTN: News, Business News and Education News Editors

LUBBOCK--Public demand by business, industrial and professional people has spurred the creation of an evening program leading to the master of business administration degree at Texas Tech University this fall.

"We have been getting two to three calls per day from people in banks, savings and loans, small businesses, large industries such as Texas Instruments, professions such as engineering, and even from professors in other disciplines here at the university," said Dr. Larry M. Austin, associate dean for the College of Business Administration's graduate programs.

"All of them were asking the same thing: When are you going to provide master of business administration courses at night? Well, now after several years absence of an evening program, we're offering the same M.B.A. program at night as we offer during the day.

"The new approach is not an alternate master's program. It's the same high quality master's curriculum, including leveling courses, as we have been offering only in the day."

Seven of 16 possible courses are being offered in the evening this fall, Austin said. The remaining nine studies will be offered in daytime this fall and in the evening this spring.

The seven fall evening courses will move to daytime in the spring, he explained.

"Thus, all M.B.A. degree requirements, even the leveling courses for those whose undergraduate degrees are in fields outside business, will be offered each semester, with the combined evening and day schedules.

"And most important to those who've been calling us about night courses, all the

degree requirements will also be available in the evening, over the entire academic year of fall and spring semesters," Austin said.

The M.B.A. program provides students with studies in a broad area of business administration combined with emphases on developing managerial perspective, analytical tools and management skills, he said.

The program also allows students to specialize, if they desire, in at least one academic area, such as accounting, marketing, finance, management and information systems and quantitative sciences.

"We expect the major response to this program to come from three areas of the community, large industries such as Lubbock Manufacturing and Texas Instruments seeking improved middle managers, banking and savings and loans for improved middle managers, banking and savings and loans for improved officers, and small businesses, including self-employed merchants and professionals around town."

Many of these businesses are willing to pay all or part of an employee's education costs while he or she seeks the M.B.A., Austin said. For information call the College of Business Administration, 742-3186, for the associate dean of graduate programs' office.

Austin also listed the courses that will be offered evenings this fall: Current Business Financial Practices, Statistical Methods in Business, Organization and Human Behavior, Management Decision Making, Production/Operations Management, Marketing Foundations and Price and Income Theory.



# Texas Tech News

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Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: B. Zeeck

LUBBOCK--Long known is the variety of landscape in Guadalupe National Park, but the degree of variety just now is being explored in this newest national park which lies in Texas and borders New Mexico.

The first soil maps of three of its watersheds are being prepared this summer by Dr. B. L. Allen of Texas Tech University's plant and soil sciences faculty and three of his students.

They have walked over, camped in and studied the Upper Dog Canyon, McKittrick Canyon and an unnamed desert canyon and adjoining area in the west central portion of the park. Their studies have taken them up mountain sides and across desert lands.

They have been taking soil samples to help in the mapping and for wintertime laboratory studies. They have looked at every slope or area that appears to be different.

Their results will assist in a larger study undertaken to help predict what will happen to water resources in the 77,000-acre park as visitors increase. The larger study is being conducted by a research team headed by Dr. Ernest B. Fish, acting chairperson of the Texas Tech Department of Park Administration and Landscape Architecture, and Dr. Marvin J. Dvoracek, chairperson of the Department of Agricultural Engineering.

-more-

guadalupe soils / add one

Allen's Team has three primary goals: to determine the kinds of soils in the study area, estimate the amount of bedrock outcropping and determine the steepness of slopes.

"In studying the soils," Dr. Allen said, "we are interested in the hydrologic characteristics which should help predict water flow and retention. Our studies should prove useful to planners as they assign land usage for different parts of the park."

In the Upper Dog and McKittrick canyons the researchers found very thin soils over limestone and fairly young landscapes. In the desert area the studies show variations from very thin to thick sandy soils.

"Most of the mountain soils are on steep slopes, and they are thin," he said. "Here, if the tenuous vegetation is destroyed, the soils will be very susceptible to erosion."

While the slopes are not as steep in the desert area, there is so little rainfall there that it would take a long time for vegetation to recover after it has been disturbed.

"And the vegetation, of course," Allen explained, is important because it protects the land from wind and water erosion. When vegetation on the desert is altered or destroyed it takes an incredible length of time for recovery."

Allen said that his team is concerned with "base line information," which must be added to the results of other research before final recommendations as to land use can be developed.

Working with him have been John Wilkey, son of Scott H. Wilkey, 7912 Big Bend, El Paso, and Billy Jaynes, son of Dr. and Mrs. S. H. Jaynes, Slaton, both graduate students, and Terry Moore, son of Mr.

guadalupe soils / add two

and Mrs. Jack Moore, 2612 35th St., Lubbock, an undergraduate student. The research assisted Jaynes in earning the master's degree, and he has been employed by the Washington State Department of Natural Resources.

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14-8-5-77

cutline-----

GUADALUPE NATIONAL PARK SOILS--Prof. B. L. Allen of Texas Tech University's Department of Plant and Soil Sciences checks one of the first soils maps of Guadalupe National Park with two of the students working on his research team. They are, left, Terry Moore of Lubbock and, right, Billy Jaynes of Slaton.

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14-8-5-77

cutline-----

NATURAL HISTORY--Visitors at The Museum of Texas Tech University can see woodland life in an exhibit prepared by students of museum science. Especially appealing to youngsters is the scene which includes, center left, the female red-winged blackbird sitting on the nest, a badger, raccoon, wood duck and, against the tree, a cloudless sulfur butterfly. Plants include cattails, death cap, pink lady's slipper and a Christmas fern. Insects, not visible in the photograph, also are in the exhibit. (Tech Photo)

-30-

15-8-5-77

Date	Stories and Cutlines	Locals	Reg. Dial	Reg. Week	50 M's	Hometowns	Selected	Explanation
1-8-8-77	Care Reception	✓					✓	adj. cor.
2-8-8-77	Continuing Engineering							
3-8-8-77	Math. Scholarships received	✓						
4-8-9-77	Board of Regents		✓	✓				
5-8-9-77	PSA (Eng.)							Amarillo Pampa Lub. Borger Dalhart
6-8-9-77	Hungarian Music							
7-8-10-77	Job recruiting	✓	✓					
8-8-10-77	Real estate seminar							
9-8-11-77	Hunter's service award	✓						adj. cor.
10-8-12-77	PSA (Business Program)							local radio
11-8-12-77	Ag. mechanics	✓	✓	✓				
12-8-12-77	Willis & Dance	✓	✓					Texas Monthly People Dance Mag.
13-8-12-77	PSA - BA evening courses							
14-8-12-77	PSA - " " " "							
15-8-11-77	Recreational Spts.	✓	✓	✓				

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Contact: Dan Tarpley

LUBBOCK--Waggoner Carr, Lubbock and Austin attorney and former Attorney General of Texas, will be honored at a reception and autograph party at the Texas Tech Ex-Students Building on the university campus, 4 to 6 p.m., Friday, Aug. 12.

The Ex-Students Association and Texas Tech Specialties, Inc., will host the reception for Carr, long active in Texas politics and an ex-student and former member of the Board of Regents of Texas Tech University.

Copies of Carr's new book, "Waggoner Carr: Not Guilty," will be available for purchase and the author will autograph copies of the volume. Carr will visit with friends at the reception.

The book deals with Securities Exchange Commission accusations against Carr and his defense and final vindication by the courts during a lengthy legal battle which cost Carr his "personal estate, his law practice, his friends and his political hopes."

The attorney is a 1940 graduate of Texas Tech and received the LBB degree from the University of Texas in 1947. He was named a "distinguished alumnus" of Texas Tech in 1968. He served on the Board of Regents of his alma mater six years beginning in 1969.

In 1966 he was elected "Outstanding Attorney General of the Year," and received the Wyman Award by the attorneys general of the 50 states of the United States. He was awarded an honorary Doctorate of Law Degree from McMurry College, in August, 1966. He remains a director of the Texas Tech Ex-Students Association.

-more-

carr reception / add 1

All friends of Carr and of the university are invited to the reception and autograph party, said Wayne James, executive director of the Ex-Students Association.

-30-

1-8-8-77



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LUBBOCK-- The Texas Tech University College of Engineering will offer two courses at Frank Phillips College in Borger for West Texas and New Mexico engineers this fall semester.

The offerings are part of the college's Division of Continuing Engineering Education program for the practicing engineer to participate in a professional development program at the graduate level and work toward a master's degree in engineering, according to Jo King, director of the division.

The courses at Frank Phillips College are "Corrosion Engineering and "Reaction Kinetics." Classes will be conducted Tuesday nights, starting at 6, with the first session Aug. 30.

The Division of Continuing Engineering Education coordinates the off-campus program for engineers to obtain graduate credit toward a master's degree with 36 semester hours of course work and a comprehensive oral examination.

All the work can be completed off-campus, enabling the engineer to remain of the job and at home. Nine years are allowed for completion.

King said the division first offered courses in the fall of 1966 and the program is a result of requests from professional engineers employed in industries in West Texas. Sixteen companies and two professional societies have participated.

Additional information about spring courses may be obtained from Jo King, Continuing Engineering Education, College of Engineering, Texas Tech University, 79409. Telephone (806) 742-3456.

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CONTACT: Worth Wren

ATTN: Public Service Directors

(Please use this PSA upon receipt and until Aug. 30, 1977. Thanks.)

35 seconds

ENGINEERS WILL BE ABLE TO CONTINUE THEIR PROFESSIONAL DEVELOPMENT THIS FALL AT FRANK PHILLIPS COLLEGE IN BORGER. THE TEXAS TECH UNIVERSITY COLLEGE OF ENGINEERING IS OFFERING TWO COURSES, "CORROSION ENGINEERING" AND "REACTION KINETICS," ON TUESDAY NIGHTS, BEGINNING AT SIX (6 p.m.). CLASSES BEGIN AUGUST THIRTIETH (30th). CLASSES ARE PART OF TECH'S DIVISION OF CONTINUING ENGINEERING EDUCATION PROGRAM FOR PRACTICING ENGINEERS TO CONTINUE PROFESSIONAL GROWTH AND WORK TOWARD A MASTER'S DEGREE IN ENGINEERING. FOR INFORMATION CALL JO KING AT TECH, AREA CODE 806, 742-3456.

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CONTACT: Jimmy Tate

LUBBOCK--Texas Tech University sophomores Charles H. Neeley, Andrews, and Garnett W. "Joe" Clayborn, Lubbock, have received Emmett Hazelwood Scholarships for mathematics majors.

Dr. George L. Baldwin, chairperson of awards for the Mathematics Department, announced the recipients today.

The \$200 Scholarships are for outstanding sophomores, junior or senior students and are presented on an annual basis.

Scholarship achievement is the primary basis for selection of recipients, Baldwin said.

The scholarships were established in 1973 by members of the faculty of the Department of Mathematics.

Prof. Hazelwood joined the Texas Tech faculty in 1939 and headed the Department of Mathematics from 1948 until 1966 when he resumed full-time teaching. He retired from the faculty in 1973.

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CONTACT: Worth Wren

ATTN: News Editors

LUBBOCK--Texas Tech University regents have approved 1978 budgets totalling \$95,736,954 for the combined operations of the main university campus, the Tech School of Medicine and The Museum of Texas Tech.

The university's main budget, \$69.28 million for 1978, reflected the legislature-approved mandatory pay raises, the soaring costs of utilities and inflation, according to university officials.

The medical school budget, \$26.1 million for 1978, increased almost \$7 million over last year's budget, due to pay hikes, utilities, inflation and expansion, they said. Special equipment, facilities and faculty are also reasons for the budget increase, the officials continued.

Training doctors is an expensive undertaking, they added, as it is everywhere in the nation's medical schools.

The medical school budget portions going to the Texas Tech Regional Academic Health Centers in El Paso and Amarillo were itemized as follows: for El Paso, operating budget, appropriated funds in 1978, \$1,971,300 plus \$1,400,000 for construction; and for Amarillo in 1978, \$1,165,726.

The Museum's portion of the new budget is \$307,162, lower than in the previous year but including for the first time state appropriations for the Ranching Heritage Center.

-more-

add 1/regents story

Board approval of the budgets came late last week (Friday, Aug. 5) during a regular meeting on the Lubbock campus. The regents also re-elected Dr. Judson F. Williams of El Paso as board chairman and Robert L. Pfluger of San Angelo as vice chairman for the coming year.

Construction items kept the regents busy, too. They approved W. G. McMillan Construction Company's bid of \$711,691 for construction of the Agriculture Pavilion on the Lubbock campus.

Page & Wirtz Construction received the nod for \$2,495,000 in construction of Phase II of the Agricultural Field Laboratories near New Deal.

Amarillo-related construction items included approval of schematics and authority to proceed with bids for renovation of the feedmill at the Texas Tech Center at Amarillo, Pantex. The board selected Shivert, Megert and Associates of Amarillo as engineers-architects for renovation of the Killgore Beef Cattle Center near the feedmill.

A new student recreation center, estimated at \$4.7 million, received approval to continue in the design and development stage, one step before bid letting. Location of the new structure is planned near the new Aquatic Center, with funds coming from student fee revenue bonds.

Intramural and individual student recreation will be the primary purpose of the center, not varsity sports, officials said.

Other Lubbock campus construction given go-ahead status were a warehouse and the ticket office and lounge areas of Jones Stadium.

add 2/regents story

For the El Paso Regional Academic Health Center, the regents named architects Harwood K. Smith and Associates of Dallas for Phase II construction planning.

Other medical school related business brought regents' approval of a contract with the El Paso County Hospital District and allocation of 1,000 parking spaces for cars to the Lubbock County Hospital District.

Leaving finance behind, the regents, acting for the university, set minimum admission standards for entering freshmen.

Aiming to reduce freshman dropouts, the regents passed the new code to allow high school graduates to enroll on a "provisional basis" if they do not meet minimum grade and entrance test standards.

Students allowed to enroll on provisional basis would be required to maintain a minimum 1.5 grade point average during their first semester, seek academic counseling and take a reduced course load.

The plan, officials said, would enable Tech to identify students most likely to have study difficulties, help those students and reduce the number dropping out.

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CONTACT: Worth Wren

RELEASE DATE: Sept. 24

ATTN: Michael Robinson

LUBBOCK-- Twenty years after Hungarian musicians fleeing persecution in their homeland founded an orchestra, they are coming to perform at Texas Tech University.

The Philharmonia Hungarica, founded in Vienna in May, 1957, has now advanced into the first rank of internationally renowned orchestras.

On its third North American tour, the Philharmonia will perform Oct. 14, at 8:15 p.m., in the Lubbock Municipal Auditorium. Conducting will be Reinhard Peters. Sponsoring the show is the Texas Tech University Center Cultural Events Office.

As early as 1960, the Philharmonia had already gained a high reputation in Germany and abroad. Under its first chief conductor, Miltiades Caridis, the orchestra toured Europe and began the first of many successful forays into the recording industry.

The world even had a hand in the success of the Hungarian musicians. Aid came from the Ford Foundation, the Rockefeller Foundation, the Congress for Cultural Freedom, the United Nations High Commissioner of Refugees and a Swiss relief fund.

Other funds came from the West German government, the federal state Nordrhein-Westfalen and the City Council of Marl, where in 1961 the former refugees found a home.

In 1964 the orchestra made its first North American tour.

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CONTACT: Dan Tarpley

LUBBOCK--The year of the big rebound. That's how 1976-'77 is being viewed in university and college placement and recruiting circles. In fact, it has turned out to be the most active year of the seventies for job offers to new graduates.

The latest data show significant increases in recruiting activity at all three degree levels, according to Robert D. Jenkins, career planning and placement director at Texas Tech University, a participating institution in the national Salary Survey conducted by the College Placement Council. At the bachelor's level, employers made 41 per cent more job offers than a year ago. The other increases were 43 per cent at the master's level and 33 per cent at the doctoral level.

While the number of offers provides an indication of employer demand for college graduates, these figures should not be construed to mean number of jobs available. Frequently multiple offers are made in order to fill one position, Jenkins said.

Over 90 per cent of the offers came from employers in the private sector, with manufacturing and other industrial firms accounting for three-quarters of them. The remaining 10 per cent were from government agencies (local, state, and federal), and non-profit organizations.

-more-



add 1/job recruiting

Most of the action was for candidates in technical disciplines, particularly at the bachelor's level. Employers made 53 per cent more offers to engineering graduates than a year ago and 37 per cent more offers to students who majored in the sciences. Candidates in business disciplines received 27 per cent more offers and those in the humanities and social sciences attracted 21 per cent more, Jenkins said.

Indicative of this employer emphasis on finding scarce engineering candidates is the fact that engineering offers accounted for 55 per cent of all bachelor's offers. On the other hand, the humanities and social sciences offers contributed only 6 per cent of the total volume.

One trend was reversed. For the first time in several years, the percentage increase in job offers to women bachelor's-degree graduates was lower than for men. Women received 37 per cent more offers than in 1975-'76 while men collected 41 per cent more. This probably is another reflection of the focus on engineering graduates. Since there are so few women engineering majors, their overall volume increase was affected adversely. Still, women accounted for 19 per cent of the total bachelor's volume, the same as last year. Two years ago, their proportion of the total was only 13 per cent.

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CONTACT: Jimmy Tate

LUBBOCK--Texas Tech University Center for Professional Development and the Society of Real Estate Appraisers will sponsor two one-day seminars Sept. 23 and 24. The Sept. 23 seminar is titled "A Basic Introduction to Income Capitalization," and the Sept. 24 seminar, "Appraising Aprtments."

"A Basic Introduction to Income Capitalization" is designed to introduce the ideas, logic and basic tools of current techniques of income capitalization.

The seminar is for persons with an interest in income capitalization techniques who are familiar with the basics of appraisal analysis.

"Appraising Apartments" seminar will feature training in the problems involved in appraising apartments and to show the applicability of the appraisal principles and techniques. Special attention will be given to market analysis and to value estimation based on capitalization of forecast net income.

The seminar is recommended for anyone who has completed the Senior Real Estate Analyst 201 course or the seminar, "A Basic Introduction to Income Capitalization."

Charles Osenbaugh, of Osenbaugh Associates, who has taught for the Society of Real Estate Appraisers in 20 states and Canada, will conduct the seminar.

The Sept. 23 seminar will be 8:30 a.m.-5:00 p.m., and the Sept. 24 seminar will be 9:00 a.m.-5:00 p.m.

-more-

add one/real estate seminar

They will be held at the Villa Inn Motor Hotel, Lubbock. Registration fee is \$75 for one day or \$150 for both days. The fee includes admission to seminars, materials, lunches and coffee breaks.

For additional information contact the Center for Professional Development at (806) 742-3170.

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8-8-10-77

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CONTACT: B. Zeeck

LUBBOCK-- John R. Hunter of the Texas Tech University range and wildlife management faculty has been awarded a 1977 Outstanding Service Award by the Soil Conservation Society of America.

The award was presented for the first time by the society this year. It is given to members for unusual efforts in helping the society develop and carry out its program.

A 13-year member of the society, Hunter has served as president of the South Plains chapter. He was named 1973 Man of the Year for outstanding service to the South Plains chapter.

He also holds a Special Service Award and the honorary Lone Star Farmer Degree from Area One, Future Farmers of America. He was 1976 president of the Texas Section, Society for Range Management. He is an active member of the Wildlife Society. Students named him the outstanding teacher in the Texas Tech College of Agricultural Sciences in 1975.

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9-8-11-77

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CONTACT: Worth Wren

ATTN: Public Service Directors

(Please use this PSA prior to Aug. 26. Thanks.)

10 seconds

TEXAS TECH UNIVERSITY COLLEGE OF BUSINESS ADMINISTRATION  
IS OFFERING A NIGHT PROGRAM FOR THE MASTER OF BUSINESS  
ADMINISTRATION DEGREE, BEGINNING THIS FALL. CALL BUSINESS  
GRADUATE PROGRAMS AT 742-3186 FOR INFORMATION.

-30-

10-8-12-77

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CONTACT: Jimmy Tate

LUBBOCK--Texas Tech University will be one of the few schools in the United States to have a recreational facility that projects a student-leisure atmosphere, rather than an athletic-physical education atmosphere, according to Joe MacLean, director of recreational sports.

The planned 126,000 square foot, three level structure is designed to create a relaxed, attractive and multi-purpose facility to encourage more students to use recreational facilities.

"We don't want to create a gymnasium atmosphere, but rather something that is attractive and functional," MacLean said.

The building, planned for completion by 1980 at a cost of \$5.5 million, will offer five multi-purpose courts for basketball, volleyball and badminton, men's and women's carpeted dressing rooms, saunas, a weight room, two multi-purpose rooms for dancing, archery, golf and fencing instructions, an audio visual resource center, a crafts workshop, 13 handball courts, a lounge, sport shop, intramural offices and an open courtyard.

Students are currently using the men's and women's gymnasiums and the intramural gym, a building 48-50 years old, according to MacLean.

The new facility will be connected to the swimming pool, located on the west side of the campus.

According to MacLean, the facility will allow the recreation department to expand into additional activities. The recreation department will be able to sponsor clinics, workshops and special events.

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add one/recreation facility

The audio visual center, MacLean said, will provide material on various activities and tape cassettes on aspects of various sports, such as how to serve a volleyball. MacLean said Texas Tech's facility will be the only one he knows of to have an audio visual center.

An exhibit foyer is also included in the plans. The foyer will be for trophy displays and for certain exhibits, such as camping equipment exhibits.

The plans for the facility also allow additional recreation space to be added in the future. Plans include an ice rink as one possible addition to the recreational facility.

The idea for the facility developed after student opinion polls several years ago showed that most students wanted new and larger recreational facilities.

A student-faculty committee, headed by Dr. Robert H. Ewalt, vice president for Student Affairs, toured recreational facilities of other schools two years ago and developed the idea of an "open-leisure" atmosphere.

"We're extremely pleased with the plans. I think they meet the needs of the students and the student input into the project has been good," Ewalt said.

Students, faculty and administration officials discussed the plans for the facilities with the architecture firm of Jarvis, Putty & Jarvis.

The Texas Tech Board of Regents recently approved the plans for the facility. The administration will prepare contract documents and prepare for the receipt of bids on the facility.

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CONTACT: B. Zeeck

ATTN: FARM EDITORS, EDUCATION EDITORS

LUBBOCK--When the horse and the hand plow gave way to the tractor and all the farm mechanization that followed, the role of the agriculture teacher in high schools changed abruptly.

And agricultural education faculty who train the high school teachers still have to work to keep abreast of needs.

At Texas Tech University a study completed this year by one graduate student indicates the young high school teachers today place the highest emphasis on hot metal work.

They also insist that farm safety be included in every phase of agricultural mechanics courses.

Charles R. Baker, completing his work for the master's degree in agricultural education, made the study of views expressed by 220 vocational agriculture teachers in 80 West Texas counties, stretching from El Paso to the tip of the Panhandle.

"The younger the teacher," Baker said, "the higher he rated the need for competence in hot metal work, cold metal work and farm carpentry subject areas.

Because a majority of the vocational agriculture teachers in the study area are 30 years old or younger, continued and increased emphasis should be placed on these subjects that the young teachers specify, Baker said.

-more-



add one/ag mechanics

He said that all the respondents agreed it is important to teach mechanized agriculture skills in colleges although many had learned some of their skills at home, in high school or in on-the-job training.

It was clear, Baker said, that the curriculum for a bachelor's degree should have greater emphasis placed on hot metal work and farm carpentry with possibilities of increased emphasis on arc welding and oxy-acetylene cutting. There should be also more detailed projects in metal work and wood work courses with emphasis on hands-on experience in agricultural mechanics rather than on the theory portion.

Baker's study took two years, and he said that lines of communication were established early with the faculty at Texas Tech University. He said he expected extensive staff evaluation of the results of his study with curriculum changes to follow.

"Skills in agricultural mechanics are becoming more significant," Baker said, "because of increasing costs of materials, labor and the national trend of a do-it-yourself attitude.

"As the number and size of vocational agriculture programs increase, the requirements placed on future teachers and, ultimately, university professors increase.

"Teacher educators at the university level have the responsibility of providing production agriculture teachers competent in teaching agricultural mechanics," he said.

Baker is the son of Carol M. Baker, Seymour. His principal professors for his study were Drs. Jerry D. Stockton and Lewis Eggenberger of the agricultural education faculty and Dr. Sujit K. Roy of the faculty in agricultural economics.

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CONTACT: Worth Wren

ATTN: Entertainment and Fine Arts Editors

LUBBOCK--"Friendship through beauty." One Texas Tech University dance teacher discovered that this clever phrase wasn't just another public relations gimmick this summer on a rare two-week visit to Moscow.

Margaret E. "Peggy" Willis, assistant professor of dance in the Department of Health, Physical Education and Recreation, joined the John Barker Ballet Competition Tour from New York City on a visit to Russia.

The unique visit was enhanced when the Russians permitted some of Barker's students to participate in a special advanced classical ballet lesson with Russian students and a Russian instructor at the Gitis State Theatre Institute.

The union of Russian and U. S. students in one class, a historical first, Willis said, was an example of "friendship through beauty" in the opinion of the famous Russian director-choreographer R. Zakharov. He hosted the Western guests for a reception.

"The competition, our reception and the special lesson all proved to me that classical dance is universal, not the possession of one country," Willis continued.

"Classical dance began in France, but the Russians have developed it into an exact science, as indicated by the fact they took 75 per cent of the medals in the competition, a meet that brought dancers and judges from all over the world.

-more-

add one/willis

"I've seen for myself that they have a definitely superior program of dance instruction."

"Zakharov, as all of our hosts, were very warm-hearted, friendly people," Willis said. "He seemed awfully pleased that the Soviet method of classical ballet has caught on in the U. S."

Willis has herself adopted the Russian method, including an accelerated six-year program for the study of classical dance. "Texas Tech was the first university outside of Russia to offer this accelerated schooling," she said.

Willis also discovered the Russians were willing to put the American dancers to a special test.

"Barker arranged for his students to take a lesson at the seventh-year level of ballet instruction with Russian students, but the Russians were being a little tricky," the Tech dance teacher-choreographer said.

"They really put Barker's students through the final exam class of the eighth-year level, the final year in the traditional eight-year study program.

"But I must say his students did remarkably well, even in spite of some language differences.

"In fact, the language of classical ballet, French, is a universal language of classical dance."

Through special arrangements Barker and his companions were allowed to stay in Moscow for the entire two weeks of the third annual International Ballet Competition.

-more-

add two/Willis

"One might wonder why being allowed to stay in Moscow for two consecutive weeks is so unusual," Willis said. "Russian visa regulations usually permit foreign visitors to stay in Moscow for only three days at a time.

"You have to take a train to Leningrad for a day or two and then return for another stint in Moscow. At least that's the normal arrangement.

"Barker and the rest of us, including 15 teachers from the West and some of Barker's students, were among the few competition visitors who got to see the entire two weeks of events."

Undoubtedly the special privileges resulted from Barker's fame as an authority on classical dance in the West, Willis said. He has just completed translating from Russian to English "School of Classical Dance," by V. Kostrovitskaya and A. Pisarev.

The book is considered the ultimate authority, the most complete work ever published, concerning the teaching of classical dance, the Tech teacher said.

12-8-12-77

# Texas Tech News

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Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: Worth Wren

ATTN: Public Service Directors

(Please use this PSA prior to Aug. 26. Thanks.)

30 seconds

PUBLIC DEMAND HAS LED THE TEXAS TECH UNIVERSITY COLLEGE OF BUSINESS ADMINISTRATION TO OFFER AN EVENING PROGRAM LEADING TO THE MASTER OF BUSINESS ADMINISTRATION DEGREE. SEVEN COURSES ARE BEING OFFERED EVENINGS THIS FALL. NINE OTHER COURSES WILL BE OFFERED DAYS. THEN, IN THE SPRING, DAY AND NIGHT COURSES WILL SWITCH TIMES. A PERSON ATTENDING NIGHT COURSES WILL BE ABLE TO CHOOSE FROM ALL DEGREE REQUIREMENTS DURING THE TWO SEMESTERS. FOR INFORMATION CALL BUSINESS GRADUATE PROGRAMS AT 742-3186.

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14-8-12-77

# Texas Tech News

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CONTACT: B. Zeeck

WRITTEN ESPECIALLY FOR THE UNIVERSITY DAILY

What was the Institute for Energy Research at Texas Tech University is now the "Center for Energy Research," and it is backed by a \$500,000 line item appropriation from the Texas Legislature.

Dr. Stanley R. Liberty, director of the center, said the funds will be allocated, at approximately \$250,000 a year, for research related to irrigation, housing, electricity, transportation, resource verification -- particularly in the gathering of data on wind, solar and biomass resources, and general projects. An additional sum has been set aside for public education, Liberty said.

"A plan for the allocation of funds has been developed," Liberty said, "and it stresses application of solar, wind and biomass energy sources.

"The plan is not limited to the sources and sectors specified, however, and the center is in search of proposals from faculty in any discipline, in the university."

Liberty said that certain funds have been set aside temporarily for "general projects." This sum will be allocated as good proposals come in, he said. A request has been disseminated on campus, according to Liberty, and the deadline for submitting proposals is Sept. 15.

-more-

Energy/Add 1

"We hope to use the state appropriated funds as seed money and matching money," he said, "in suport of proposals which can be funded from federal monies or other sources."

Liberty emphasized that Texas Tech has a record of sound research in several energy related areas and has created a nucleus of interested scientists, engineers, economists and lawyers through production of a report to Gov. Dolph Briscoe, "The National Energy Plan: A Critical Review." Sixteen contributors to this report and others who worked on it with the authors form this nucleus.

"We have momentum going at Texas Tech," Liberty said, "and this should lead us to additional growth and contributions in the field of energy research.

"We hope to use the line item appropriation granted by the Legislature to add to that momentum."

8-12-77

# Texas Tech News

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CONTACT: B. Zeeck

LUBBOCK--To make a telephone call, type on an electric typewriter, watch television, read a newspaper, or communicate in space... All require circuits and systems.

Approximately 200 scientists and engineers, from 30 countries, who are providing the theory for future applications of circuits and systems will be meeting in Lubbock next week, Aug. 15-19, for the 20th Midwest Symposium on Circuits and Systems and the 2nd International Symposium on the Operator Theory of Networks and Systems.

The Midwest meeting is sponsored by the Department of Electrical Engineering at Texas Tech University. The international meeting is sponsored jointly by that department and the United States Air Force Office of Scientific Research.

The organizing committee for the meetings includes Dr. Russell H. Seacat, chairperson of the Department of Electrical Engineering, and Drs. K. S. Chao and Richard Saeks, faculty members who are serving as co-chairpersons of the meetings.

"Circuits and systems," Saeks said, "are buried in every electrical device, no matter where it appears around the world, and no matter how little the user tends to think about it. The electrical circuits and systems are there whenever there is an electrical hookup."

Saeks said that, although telephones represent overall a small portion of the topics to be covered in the symposiums, telephone companies from several countries of the world are sending representatives to the meetings.



circuits/Add 1

The meetings will deal with advanced theory, he said, about four steps beyond the point where theory is put to practical applications.

He said the week-long format of the two symposia should prove conducive to technical communication. In addition to technical sessions, however, there will be two special social events.

The first is a West Texas style barbecue at the Ranching Heritage Center of The Museum of Texas Tech University. This will take place Monday, Aug. 15. The second will be a Wednesday banquet at the Lubbock Country Club. Speakers for that meeting will be Electrical Engineering Profs. John D. Reichert and Stanley R. Liberty who will discuss the Crosbyton (Tex.) solar power project which is supported by the Energy Research and Development Administration.

# Texas Tech News

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CONTACT: Mark Haller

LUBBOCK--Veteran photographer John McKinney, visiting adjunct professor of photography at Texas Tech, will offer two amateur photography workshops beginning in early September.

McKinney joined the Mass Communications faculty at Texas Tech in the spring, 1977, following a two-year assignment at the National University of Agriculture in Malaysia. While there, McKinney helped to establish a photography library at the university and instructed university staff members in ways to use photography to obtain endowment funds. McKinney also lectured in photography while at the university.

The two workshops at Texas Tech will be offered in beginning and intermediate photography, emphasizing classroom demonstrations, ways to avoid common errors, and techniques for photographing different types of subjects.

The beginning course will run from Sept. 8 until Oct. 13. The class will meet Thursdays from 6:30 to 9:30 p.m. in room 110 of the Mass Communications building. The beginner's course is designed to give students a better understanding of the camera and the basics of composition for pictures.

The intermediate course will run from Sept. 6 until Oct. 11. The class will meet Tuesdays in room 110 of the Mass Communications building, from 6:30 to 9:30 p.m. The intermediate course is for students more familiar with the basic operation of the camera. Greater time will be devoted to composing and shooting pictures.

-more-

add one/photography workshops

Registration fees for each of the workshops is \$25. Students will use their own 35mm cameras and commercially process the film used.

During his career, McKinney has worked for the U.S. Soil Conservation Service in the Virgin Islands and Puerto Rico. McKinney and his wife have traveled in 40 countries on four continents, photographing assignments for such publications as "Progressive Farmer," "Time" and "Reader's Digest."

For more information on the workshops, contact Texas Tech's Mass Communications Department, (806) 742-3385.

-30-

2-8-15-77

# Texas Tech News

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CONTACT: Nita Gilger

LUBBOCK--Texas Tech University math professor William H. Gustafson was awarded the Lester R. Ford Award by the Mathematical Association of America for his publication, "American Mathematics From 1940 to the Day Before Yesterday."

The award was presented to Gustafson at the University of Washington, Seattle, Monday (Aug. 15).

The Association gives a maximum of five awards per year for expository articles published in "The American Mathematical Monthly." Dr. Gustafson's article appeared in the issue of August-September, 1976.

Co-authors of the publication are John H. Ewing, Paul R. Halmos, Suresh H. Moolgavkar, William H. Wheeler and William P. Ziemer. The paper was written in 1975 when all the authors were at Indiana University, Bloomington.

The paper will be reproduced in a book, "The Bicentennial Tribute to American Mathematics, 1776-1976."

Gustafson has written 15 other publications in the area of abstract algebra. He has taught at the University of Illinois, Urbana, Brandeis University, Waltham, Mass., Indiana University, Bloomington, as well as Texas Tech.

The math professor received the B.A. from Wesleyan University, Middleton, Conn. and M.A. and Ph.D. from the University of Illinois.

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CONTACT: Mark Haller

LUBBOCK--"Language is fun" is the theme of the Preschool Speech and Language Program at Texas Tech University, sponsored by the university's Speech and Hearing Clinic.

The program has been in progress all summer, involving children from the Lubbock area.

The program involves 34 children between the ages of three and seven. The older children are enrolled in special language classes in the Lubbock Public Schools. All have some type of speech or language disorders caused by cerebral palsy, motor-coordination problems or deafness.

"Notable progress is being made with the children," said Dr. Alan L. Seitel, coordinator of the program. "Many of the children were unable to speak more than one word or unable to speak at all when the program began. We have made progress with the children so that they will be able to enter a regular classroom someday."

The children meet with volunteer workers five days a week for two hours a day. They are taken on two field trips per week and participate in structured play designed to help them overcome language disorders. The volunteer clinicians are Texas Tech students, supervised by Speech and Hearing faculty members. Parents, also involved in the program through special parent groups meeting each week, are instructed in special exercises for the children to practice at home.

The clinic is stocked and staffed totally on a volunteer basis, with funds and materials donated by local and regional merchants and individuals.

# Texas Tech News

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CONTACT: B. Zeeck

ATTN: Agriculture editors

LUBBOCK--The appointment of Dr. A. Max Lennon as assistant dean of the College of Agricultural Sciences at Texas Tech University was announced Tuesday (Aug. 16) by Dean Anson R. Bertrand.

Lennon, who has been chairperson of the Department of Animal Science, succeeds Dr. James E. Osborn, who has accepted a position as chairperson of the Department of Agricultural Economics at Oklahoma State University.

Dr. Bertrand said that Dr. Robert C. Albin will succeed Lennon as chairperson of Animal Science.

The dean also announced the appointments of Dr. Ernest B. Fish as interim chairperson of the Department of Park Administration and Landscape Architecture and of Dr. James W. Graves as interim chairperson of the Department of Agricultural Economics. Fish succeeds the late Alfred B. LaGasse. Graves is assuming duties held by Osborn, in addition to Osborn's position as assistant dean and coordinator of research for the college.

Lennon owned and operated a general crop and livestock farm in Columbus County, N.C., and was a member of the Board of Directors of the North Carolina Pork Producers Association before he returned to college to earn the doctoral degree. He received the bachelor's, master's and doctor's degrees from North Carolina State University.

-more-

add one/tech appointments

He joined the Texas Tech faculty in 1970 but left in '73 to work in industry. He was senior swine nutritionist for Central Soya, Decatur, Ind., in '74 when he returned to Texas Tech to head the Department of Animal Science.

Albin earned the bachelor's and master's degrees at Texas Tech. His doctoral degree, in nutrition, was awarded by the University of Nebraska. While Lennon's primary research interest is in swine, Albin's is in beef cattle nutrition, grain sorghum evaluation and processing and feedlot waste management.

Fish holds degrees from Colorado State University and the University of Arizona. His research interests are in the areas of natural resource management, remote sensing and quantitative ecology. He is involved in interdisciplinary research programs encompassing environmental inventories, land use analysis and park management planning in the southwestern U.S. region.

Graves earned the bachelor's degree at Cornell University, master's at Texas A&M, and doctor's at Michigan State University. His major research has been in cotton and vegetables. Graves said his primary interest is teaching.

# Texas Tech News

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CONTACT: B. Zeeck

LUBBOCK--The 18th year of Art Seminars sponsored by the Women's Council of the West Texas Museum Association will offer a third series of 10 lectures on French art during this fall semester.

Rabbi Alexander Kline will have as his theme the impressionists, beginning with the work of Jean Francois Millet and ending with the work of Henri Rousseau. Rabbi Kline has been lecturer for all of the 18 years of the seminars.

Rabbi Kline has been lecturing on art for more than 40 years as his avocation. He serves the Congregation Shaareth Israel in Lubbock, but in addition teaches the art seminars, basing his lectures on formal training, self-education carried on through intensive reading and collecting, and frequent travels to visit the art centers and museums in this country and abroad.

For his lectures he draws on his collection of more than 100,000 prints which he and Mrs. Kline have collected over the past four decades. Mrs. Kline, whose graduate major was classical antiquity, has assisted in the seminars over the years as projectionist so that works under discussion may be seen wall size by participants.

Illustrated lectures are given at 10 a.m., Tuesday mornings, Oct. 3-Dec. 6, in The Museum of Texas Tech University. The fee is \$5 for students and \$10 for all others.

-more-



The impressionist painters of 19th century France departed from the sculptural modeling of the earlier classicists. They emphasized instead a distant view of objects seen outdoors under the influence of light and atmosphere. Outlines were replaced by opposing patches of light and dark. Paintings were smaller than earlier works, and the painter often repeated a painting until he achieved the effect he desired, a painting close to the ethereal quality of music.

It was a period which strongly influenced 20th century art.

Rabbi Kline's lectures will deal with: Millet, 1814-1875, Oct. 4; Gustave Courbet, 1819-1877, Oct. 11; Edouard Manet, 1832-1883, Oct. 18; Camille Pissaro, 1830-1903, Oct. 25; Edgar Degas, 1834-1917, Nov. 1; Claude Monet, 1840-1926, Nov. 8; August Rodin, 1840-1917, Nov. 15; Pierre Auguste Renoir, 1841-1919, Nov. 22; Ignace Henri Joseph Thodore Fantin-Latour, 1836-1904, Nov. 29; Rousseau, 1844-1910, Dec. 6.

Registration may be paid at any time to the West Texas Museum Association, The Museum of Texas Tech University, Lubbock, Tex. 79409. For further information call the WTMA office, 742-2424, or Mrs. Maurice Crass, 797-5178.

# Texas Tech News

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CONTACT: Prabhu Ponkshe

LUBBOCK--If you are in a major village in Niger, West Africa, and your car breaks down, there is no point in looking for a service station. Look for the largest tree in the area.

Because under the shade of the tree you will find the village mechanic who will usually patch up your car and get you on the road the same day.

This is just one of the adjustments that a team of American university researchers have had to make during their one-year stay in Niger. The team includes four faculty members from Texas Tech University and one from the University of Arizona.

The two universities are a part of the Consortium for International Development (CID), which has contracted with the Agency for International Development (AID) to develop research, seed multiplication, agricultural extension, and credit and cooperative programs in the African nation.

Texas Tech's International Center for Arid and Semi-Arid Land Studies (ICASALS) coordinates the Niger Cereals Project, founded by AID, while the technical responsibilities lie with Dean Anson R. Bertrand of the university's College of Agricultural Sciences. Calvin H. Raullerson, executive director of ICASALS, is project coordinator.

The Texas Tech team includes Dr. Cyril Brown and Dr. Clark Harvey, agronomists; Dr. William Hall, seed production specialist; Dr. Eugene Foerster, agricultural engineer; and Cao Quan, cooperatives and credit specialist.

-more-

add one/niger cereals project

James Williams, chief of party, is from the University of Arizona. The team has been in Niger since Sept. 1976.

Harvey, Foerster and Brown are stationed in Maradi, a town with a population of 20,000. Hall, Quan and Williams live in Niamey, the capital city.

"In Maradi there are no supermarkets, complete service stations, garages, drug stores or department stores. There is, however, a large open market where you can buy almost everything you need. It covers a large city block and is open twice a week," according to a letter written by Williams to ICASALS.

Vendors display clothing, hardware, vegetables, meat and crafts.

Prices are usually subject to adjustment downward after bargaining, but are at best high.

"Shopping in Niamey is a new experience each time you shop. Prices are high and variety is limited. Drug stores sell only drugs, meat markets only meat, bread shops only bread, and vegetable markets only vegetables."

Travel in Niger is controlled with police check points at every major village and town. Passports and automobile papers are checked and luggage is subject to inspection.

"However, Nigerien drivers of official vehicles usually get through checkpoints with a minimum of inconvenience," Williams said.

Service stations sell gasoline at \$1.60 per gallon. Other services are few. Major American and British oil companies serve the country.

-more-

add two/niger cereals project

Although the official language is French, the Americans have managed to communicate with their limited knowledge of the language and have gained acceptance, Williams says.

An average day's schedule for the members in Maradi requires their presence at the research station at 6:30 a.m. to start the day's work while it is still cool.

"However, a breakfast between 8 and 9 a.m. is allowed. Work is finished at 1:30 p.m. for the day and the week includes Saturdays to complete the 40 hours.

Team members in Niamey have a different schedule than those in Maradi. Office hours are from 7:30 a.m. to 5:30 p.m. On Saturdays the hours are from 7:30 a.m. to noon.

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CONTACT: Mark Haller

LUBBOCK--Dr. Louis M. Roth, head of the Entomology Group at the U.S. Army Natick Labs in Natick, Mass., will be a guest lecturer for the Department of Biological Sciences at Texas Tech University.

Roth, associate in Entomology at Harvard University, will be a Distinguished Visiting University Professor at Texas Tech. He will speak Monday, Aug. 22, on "Reproductive Strategies of Cockroaches," 11:00 a.m., and Tuesday, Aug. 23, on "Taxonomic Significance of Cockroaches", 11:00 a.m. Both will be held in Room 106 of the Biological Sciences Building.

Roth has authored 130 publications on the physiology, behavior and systematics of mosquitoes and cockroaches.

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8-8-17-77

# Texas Tech News

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CONTACT: Mark Haller

LUBBOCK--Priscilla Ann Smith, 5509 Rosemont NE, Albuquerque, has been chosen as a scholarship athlete for the women's swimming team at Texas Tech University.

Smith, a 1975 graduate of Del Norte High School, attended Midland College at Midland, Texas, before entering Texas Tech. Smith lettered in swimming at Del Norte, 1973-'75, and at Midland, 1976-'77. While competing at Texas Tech, Smith will participate in butterfly and backstroke events.

Texas Tech swimming team members condition in the early fall, with competition beginning in late fall and continuing through early spring.

The women's athletic program at Texas Tech offers opportunities for coeds to continue participation in varsity sports. Scholarships are offered in all six sports fielded.

Texas Tech University is one of four multi-purpose universities in Texas, with an enrollment of more than 22,000 students.

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9-8-17-77

# Texas Tech News

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CONTACT: Worth Wren

ATTN: Public Service Directors

LUBBOCK--Law School Dean Frank W. Elliott and first-year law professors will speak to Law Partners, a support organization for spouses of law students, at Texas Tech University, Aug. 25.

Elliott and the professors will discuss what law school is like, what spouses should expect and not expect from their marriage partners in law school.

Membership in Law Partners, formerly Law Wives, has come to include male spouses with the increasing number of women law students at Tech, Partners President Kathy Glenn said.

The Aug. 25, 7 p.m., meeting will be the new school year's orientation for new members and new law school faculty and administrators. The meeting will be in Room 107 of the Law School Building.

For information call 742-2311.

-30-

10-8-17-77

# Texas Tech News

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CONTACT: Worth Wren

ATTN: Editors

LUBBOCK--"The biggest problem is he no longer has a lot of time to spend with you," said the wife of a Texas Tech University law student.

Wives and husbands of law students often find their spouses too busy studying and reading to take part in many of the usual activities of family or married life, concurs Sue Raup, second vice president of Law Partners.

Law Partners is a support organization for spouses of law students in the Tech School of Law.

"Law Partners helps us understand what our husbands or wives are having to do as law students, but perhaps its greatest benefit is to help us meet people sharing common difficulties," Raup said.

"We have some really great programs and opportunity to develop some excellent friendships. Many of our programs involve our spouses and often professors in the school.

"We can then identify names with faces when our spouses talk about their professors. Sometimes the professors can identify and help us with our problems because once they were married law students."

A get-together with these professors and new Law School Dean Frank W. Elliott will explore the problems Law Partners encounter. The 7 p.m., Aug. 25, meeting will be in Room 107 in the Law Building.

-more-



add one/law partners

Membership in Law Partners, formerly Law Wives, has come to include male spouses with the increasing number of women law students at Tech, Raup indicated.

"Husbands with spouses in law school are not as quick to join our organization, but we think our program is as much for them as for wives," she said.

"If there's one piece of advice I would give to husbands or wives who regularly lose their spouses to law books, the library and classes, it would be to develop interests of their own. We try to do that at Law Partners."

Raup has been a partner for two years, now. Her husband Jimmy is entering his third and final year of law school.

"Once you've finished your second year of law school together---your spouse the student and you the partner---you begin to feel like it's all downhill to the finish. You really begin to look forward to the third year."

# Texas Tech News

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CONTACT: Worth Wren

ATTN: Education News Editors

LUBBOCK--Students have engaged one of their own professors to help improve the teaching process through a personal, humanistic approach at Texas Tech University.

"It just may be the first time that a student government has contracted with one of its university's professors to help improve teaching on its own campus," said Dr. Dayton Young Roberts, the professor of higher education under contract.

How exploring one's self-concept can lead to improved teaching is a question Roberts believes university teachers can answer for themselves in the workshops. The sessions also will lead teachers to discuss teaching methods and improved learning environments.

The Tech Student Association (SA) asked him last year to conduct his "Personalizing the Learning Climate" workshops for teachers and even student leaders themselves at Tech.

SA President Charles "Chuck" Campbell wants to see the workshop techniques continued after Roberts completes his work this coming school year.

"We see the primary communications problem existing with some teaching assistants (TAs). This problem is especially troublesome when international students are being taught by TAs," Campbell said. International students sometimes cannot understand what TAs are trying to communicate, he added.

-more-

add one/Roberts

He is working to gain the additional training required for TAs.

But Campbell also is seeking to have at least some of Roberts' workshop techniques and "personalizing processes" channeled to full-time professors through departmental programs.

Student leaders took part in a trial-run session before scheduling the workshops. Their response was to fund the sessions through the spring of 1978. Roberts has conducted more than 200 similar workshops across the nation and in the Caribbean area.

The professor is convinced that many teachers are ineffective because they are unaware of how they and their students perceive and judge ideas, people, things and events.

Roberts focuses his efforts on enabling teachers to make themselves aware of their own perception and judgment traits.

The personality typing stage of the workshops helps participants understand their preferences and see clearly there are other legitimate and contrasting preferences in teaching and learning, Roberts said.

He has based his work on the theories of famed psychologist Carl Jung and his followers and on the "Humanistic Approach to Learning" model and program Roberts introduced in 1971 at the University of Florida.

Jung believed human behavior "is the logical result of observable and measurable differences in the mental functioning," perception and judgment, the professor summarized.

Participants in the workshops reveal to themselves their "attitudes toward personal values" and toward "their roles as college teachers" or students. Thus participants actually type their own personalities.

Various studies provide groundwork for typing personalities according to perception and judgment.

These studies "indicate clearly that sensing and judging types prefer to teach and learn in an orderly, systematic manner using primarily their five senses.

"They respond positively to varied multi-media instructional approaches and do not respond as well to the written or the spoken word, e.g., textbooks and lectures, when used alone as instructional media," Roberts reported in a 1976 journal article.

"The intuitive perceptive types, on the other hand, prefer to teach and learn in a flexible, unstructured manner.

"They are more apt to respond positively to the written and spoken word--providing these stimulate interest and imagery. Responses to such stimuli may range from hunches to creative discoveries."

Roberts indicated that teachers who understand that they and their students, in a relative sense, fall into these diverse but basic personal preference categories are more likely to adjust to meet students' needs.

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CONTACT: Worth Wren

ATTN: Public Service Directors

(ENCLOSURES: Taped PSAs and written versions of the PSAs.

CONCERNING: Dedication of Texas Tech Regional Academic Health Center at El Paso, Sept. 8.

REQUEST: Please use this PSA, recorded or live, as often as possible UPON RECEIPT AND THROUGH 9 A.M., SEPT. 8.

THANKS VERY MUCH FOR YOUR HELP.)

30 seconds

A NEW STRUCTURE DEDICATED TO THE COMMUNITY IS OPENING ITS DOORS IN EL PASO. THE NEW BUILDING HOUSES THE TEXAS TECH REGIONAL ACADEMIC HEALTH CENTER AT EL PASO. EL PASOANS ARE INVITED TO THE FORMAL DEDICATION OF THE BUILDING, AT TEN A.M., THURSDAY, SEPTEMBER EIGHTH (8th), AT 4800 ALBERTA AVENUE, ADJACENT TO R. E. THOMASON HOSPITAL. EL PASO'S JUDSON F. WILLIAMS, TECH'S REGENTS CHAIRMAN, WILL PRESIDE. TEXAS TECH PRESIDENT CECIL MACKEY WILL KEYNOTE THE CEREMONIES. AN OPEN HOUSE WILL FOLLOW.

-30-

13-8-17-77

# Texas Tech News

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CONTACT: Worth Wren

ATTN: Agriculture News Editors and Directors

LUBBOCK--Residual activity is both desirable and undesirable in pesticides. And thus scientists have been trying to help farmers by creating just enough residual activity in pesticides to make them more effective but not elicit objections from environmentalists.

One of the methods used in an attempt to achieve this balance is the placing of pesticides into extremely small, or micro size, capsules. This allows the pesticide to escape slowly beyond the time of application to crops but not to linger too long.

Even this method, however, has a drawback: residual accumulation of the capsule wall components. The pesticide itself does not linger to pollute crops, such as lettuce, but the capsule wall components do.

Texas Tech University chemists have helped in an attack on this problem by developing a method to detect levels of these capsule residues in crops or foods.

Practical application of this analytical method could lead to safe level usage of encapsulated pesticides so as not to leave harmful residues beyond acceptable time periods, according to a Texas Tech chemist.

Encapsulated pesticides are relatively new and some are still in experimental stages, according to a representative of the U.S. Department of Agriculture. One commercial use has been on tobacco plants in the South.

-more-

add one/pesticide

Dr. Gary L. Blackmer, Tech associate professor of chemistry, and his research associate, Rex H. Reynolds, developed a detection process including dehydration, fractional distillation (a method of heating solutions to separate components of the solutions), and a method measuring fluorescence to detect levels of certain compounds released in solution.

"After application and dissipation of the pesticide, the nonbiodegradable (not capable of being destroyed or reduced in natural conditions) microcapsules remain as an environmental residue," Blackmer wrote in an "Agricultural and Food Chemistry" report earlier this summer.

Analyzing organic material to find levels of this residue caused the chemists to confront several problems.

The first was the insoluble nature of the capsule walls. The microcapsules remain on crops after the pesticide has long since done its job and dissipated through the capsule walls.

Blackmer and Reynolds found, however, that the residues are soluble in a caustic ethylene glycol solution.

Fractional distillation enabled the chemists to separate one of the "not naturally occurring" compounds found in the capsule walls.

To quantify the residues through analysis of the solution of the separated compound, called ethylenediamine, Blackmer and Reynolds chose a process developed in 1967. It is a method of studying the intensity of fluorescence directly related to the concentration of the compound in solution.

Tests were run on lettuce contaminated with capsule residues and on uncontaminated lettuce.

add two/pesiticides

Results showed that the 1967 spectrofluorometric method and some math calculations would give scientists a means to calculate actual residue quantities. This could be done by analyzing only one component of the residues, Blackmer explained.

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14-8-17-77



# Texas Tech News

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Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: Mark Haller

LUBBOCK--Registration for the fall semester at Texas Tech University will be held Aug. 24, 25 and 26 in the Lubbock Municipal Coliseum.

Individuals may register at assigned times from 8:00 a.m.-5:00 p.m., Aug. 24 and 25, and from 8:00 a.m.-6:00 p.m., Aug. 26.

Freshman students who have not registered previously may register Aug. 23. Late registration will continue through Sept. 14 in the Registrar's office and through departmental offices.

Fall semester classes will begin Aug. 29. Finals will be given Dec. 12-16.

Enrollment for the fall semester, 1976, was 22,176.

-30-

15-8-17-77

# TexasTech News

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CONTACT: Dan Tarpley

LUBBOCK--Final registration for the fall semester for the Suzuki String Program at Texas Tech University is scheduled for Aug. 24, 25 and 26, 10 a.m.-noon and 3-5 p.m.

Registration will be in Room 127 of the Music Building-University Center Complex.

Violin lessons will be offered for children three through eight years old. Each child will receive an individual lesson weekly, ranging from 20 minutes to an hour, depending on the child's age and stage of progress, Music Department officials said. In addition, the children will participate in class sessions on alternate Saturday mornings when solo and ensemble performing will be emphasized. Lessons begin the week of Aug. 29.

Since the participation of the parent is essential in the program, children develop a close relationship with parents in the learning process. One parent, usually the mother, attends every lesson and class session with the child and supervises the practice sessions at home.

Music Department officials say parents need no musical background and they learn along with the children. Children started at a young age develop memory skills, discipline, endurance and coordination, as well as a natural, relaxed approach to the violin and a lasting appreciation of classical music, said Barbara Barber, director of the program.

-more-

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CONTACT: Jimmy Tate

LUBBOCK--The Department of Military Science at Texas Tech University will sponsor an exhibit, Aug. 24, 25, 26, 29 and 30, entitled "White Sands Community Relations Exhibit."

A 45 foot, air-conditioned van divided into several viewing modules, houses the exhibit. It will be on display near the south end of the Engineering Drive between Holden Hall and the Mass Communications building.

The exhibit will present a history of the Army in the Southwest, a three minute slide talk show about White Sands, a map of the White Sands area and points of interest, a cutaway of an actual sounding rocket motor, current scientific projects underway at White Sands, and artifacts and contemporary aspects of the Southwest.

The first AH-1S production Cobra helicopter from Bell Helicopter, Fort Worth, will be on static display Aug. 30. The aircraft is the latest model of the original AH-1G Cobra, which was introduced in 1966 as the first rotary wing aircraft designed as a gunship. Armament of the helicopter consists of the TOW (tube-launched, optically-tracked, wire-command) anti-tank missile, rockets, a grenade launcher and minigun.

According to Maj. Don H. Hampton, assistant professor of military science, the exhibit will have something for everyone.

"We are pleased to have the display here at Tech, I hope everyone interested will attend the exhibit," Hampton said.

The exhibit was initially developed as a bicentennial display. The exhibit has attracted as many as 1,500 visitors in a single day.

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CONTACT: Worth Wren

ATN: Entertainment and Fine Arts Editors

LUBBOCK--Coffee cups a la "Soap" opera will rattle in the Texas Tech University Center Theatre.

More than 100 Hungarian musicians, most former refugees, will sit down to play their instruments in the Lubbock Municipal Auditorium.

Dancers from the Spanish-speaking communities of New York City will bring the past and the present together on the Center Theatre stage.

And medieval music drama, a celebration of living in slapstick, ballet in-residence, classical guitar and Holtkamp Organ performances complete a set of eight University Center Cultural Events for 1977-'78 at Texas Tech.

Tickets for the entire series, from "Soap" and Philharmonia Hungarica to classical guitarist and organist, are being offered at reduced prices, as of Monday, Aug. 22, in the University Center Ticket Booth. Sales end Friday, Sept. 16.

To reserve tickets call 742-3610. Receipt of payment will confirm reservations, according to Cultural Events advisor Mary Beth Boring.

Series tickets, Boring said, will range from \$15 for Tech students to \$36 for the general public. Tickets purchased for individual shows throughout the academic year will range from \$21.50 for Tech students to \$43 for the general public, she said.

All tickets must be picked up at the UC Ticket Booth.

add one/UC cultural events

The eight events begin with the improvisation of a Boston-based theatre company, The Proposition Workshop, Inc., and its performance of "Soap" Sept. 29.

Under the direction of its founder, Alan Albert, the Proposition will present the smash hit, a spoof on that great American institution, the soap opera.

"All your favorite cliches are here: the organ music, rattling coffee cups, the wonderful mother, the cliffhangers, all done in glorious Proposition style," Boring said.

"They never perform the same show twice because its improvised! You won't be able to tune in this soap opera tomorrow."

The Proposition will be in-residence on campus Sept. 28-29, with "Soap" being scheduled at 8:15 p.m. Thursday, Sept. 29, in Center Theatre.

Philharmonia Hungarica, the second event, comes to the Municipal Auditorium at 8:15 p.m., Oct. 14.

Founded in Vienna, Austria, on May 28, 1957, by musicians who had fled persecution in Hungary, the Philharmonia has since advanced into the first rank of internationally renowned orchestras, Boring said.

Aid from around the world sustained the musicians until they had gained momentum, not only on the concert circuit but also in the recording industry.

On its third North American tour, the orchestra continues to gain critical acclaim, and this time the group is coming to Tech and the Lubbock community.

add two/UC cultural events

Ballet Hispanico of New York will usher Tech's November activities in with a Friday, Nov. 4, performance at 8:15 p.m. in the Center Theatre. The group will be in-residence Nov. 2-4.

Formed under the artistic direction of Tina Ramirez in 1970, the dance company derives its performances from classical flamenco, folk traditions, religious rituals, island witchcraft and magic and

All the dancers come from the Spanish-speaking communities of New York City.

The effort was "to build a dance company which could reflect something of the experience of Spanish-speaking Americans, the clash of traditions and generations, an experience shared by 11 per cent of the population of the United States," Boring said.

"Ballet Hispanico has performed for more than 200,000 people in the last year, and the company is at home on a mobile stage in the streets as it is at Lincoln Center."

Other events for the season will be Ensemble for Early Music, Jan. 26, recreating the medieval play in music, voices and other forms; Dallas Theatre Center, performing "Scapino!", Jan. 31, 1978, a farcical adventure "bringing the conventions of commedia and Roman comedy to a modern audience"; the Hartford Ballet, Feb. 24-25, contemporary dance and classical ballet; Michael Lorimer, March 9, a classical guitarist "following in the footsteps of his teacher, Andres Segovia"; and Marilyn Mason, April 6, in recital on the 4,000-pipe-plus Holtkamp Organ, "a master in her profession and one of the outstanding organists in the world."

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CONTACT: Jimmy Tate

LUBBOCK--Texas Tech University students will have an opportunity to learn and apply management techniques to student organizations in a new course offered this fall entitled "Managing the Student Organization," (BA 4381).

The course covers concepts and practices underlying successful management of the campus student organization. The course also will cover application of management techniques to diagnosing and assessing student organization activity with the purpose of increasing personal leadership competence and improving organizational performance.

The course will be taught by Dr. Vincent P. Luchsinger, professor of management, Mondays and Wednesdays, 1:30-3:00 p.m., room 7 of the Business Administration building.

"Managing the Student Organization" was initiated by the student coordinators of the Red Tape Cutting Center (RTCC), a volunteer-staffed information and referral service for Texas Tech.

RTCC encourages student leaders from campus organizations and other interested students to enroll in the course. Students from all majors who have an overall GPA of 2.75, a 3.00 in the major area of study and senior status are eligible.

To reserve a place in the class, contact Ridgley L. Denning in the office of the Dean of Students, 209 Administration Building, 742-2192, by Sept. 6. Enrollment will be limited.

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CONTACT: Marcia Lundy

LUBBOCK--Construction is underway on Texas Tech University's Agricultural Pavilion, expected to be completed in time for fall semester, 1978, classes.

The structure will have 37,451 square feet and will be used primarily as a facility for laboratory sessions for animal science students.

It will also house continuing education events, at which beef and swine producers, horse breeders, and others will present lectures and demonstrations.

Student organizations, such as the Block and Bridle Club, 4-H or FFA, will be able to use the arena for their functions.

According to Dr. A. Max Lennon, newly-appointed assistant dean of the College of Agricultural Sciences, this will not only give these organizations indoor facilities to use, eliminating weather problems, but it will also introduce prospective students to the university.

The main portion of the structure, situated west of Indiana Avenue and south of the Brownfield Highway, is a 100 by 200-foot arena. It will be used in laboratory instruction in such subjects as animal production and management, and will have the capacity to hold three separate, ongoing lab sessions simultaneously.

The north end of the building will house the animal holding pens, for temporary stabling of animals used in the laboratories; animal working facilities, for such activities as dehorning cattle, and an area for cleaning the animals before their use.

-more-



add one/new pavilion

Two wings will stretch from the arena on the front of the building. The wing on the north end will house approximately 15 horse holding pens, as well as a tack room and storage facilities. The south wing will hold two classrooms for as many as 40 students each, or one classroom for 80 students when a dividing panel between the rooms is removed.

The south wing will also house a kitchen for use during special events. Two offices will complete the south wing.

For the future, a courtyard between the two wings will be converted into a lecture hall for use in continuing education programs. Bleachers for 800 persons are planned for the arena.

According to Dr. Lennon, the Pavilion will enable the College of Agricultural Sciences to improve and enlarge the horse science program as well as existing beef and livestock programs.

Architects for the Pavilion were Stiles, Roberts, Messersmith and Johnson of Lubbock. The general contractor is McMillan Construction Company, also of Lubbock.

CUTLINE-----

TEXAS TECH AG PAVILION--Construction is underway at Texas Tech University for this agricultural pavilion which will be used for laboratory instruction and special events. (Tech Photo)

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21-8-19-77

Date	Stories and Outlines	Locals	Reg. Dail	Reg. Week	50 M's	Hometowns	Selected	Explanation
1-8-22-77	Speakers Series)	✓	✓	✓				El Paso Ft. Worth
2-8-22-77	Davenport women comm	✓						Pix
3-8-23-77	Senior Citizens registration	✓						adj. countries
4-8-23-77	Distinguished Alumni	✓	✓			✓		Pix
5-8-23-77	Registration & First Day of Fall							
6-8-24-77	Castro	✓	✓					+pix
7-8-24-77	Antarctic Pix	✓	✓					
8-8-25-77	Pakistan (Mushag)	✓	✓	✓			✓	TEASAS U.S. Info Agency Ag 1st
9-8-25-77	RACH in El Paso						✓	
10-8-25-77	PSA - UC cultural	✓					✓	Radio Plus
11-8-25-77	PSA + TV RACH in El Paso	✓						TV & Radio
12-8-25-77	PSA - RACH in El Paso						✓	El Paso TV
13-8-25-77	Hometowns - WTH Smalley							MT, Abilene, Albany
<del>14-8-25-77</del>	<del>HSF LRP students</del>	✓					✓	
14-8-25-77	Education Council	✓					✓	
15-8-25-77	tech-midland ed. council						✓	

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CONTACT: Worth Wren

ATTN: Entertainment and Fine Arts Editors

LUBBOCK--The 1977-'78 Texas Tech University Speakers Series has personality . . . after personality after personality.

First in line is movie critic Judith Crist, Sept. 15, announced Mary Beth Boring, advisor for the University Center Cultural Events Office, sponsor of the series.

Crist will speak at 8:15 p.m. in the University Center Theatre.

"The first thing one should know about Judith Crist is that she is mad about movies, not at them," Boring said.

"She is hated and adored, albeit from different quarters, for the same reason: she calls the shots exactly as she sees them . . . immune to pressures from any source, be it big reputations, big budgets, big companies.

"She is not only honest, she is blunt.

"That she can analyze this liveliest of the arts objectively and in depth, with clear intelligence and free of smug estheticism or cultish snobbery, accounts in part for her large following."

But Crist is only one of six scheduled speakers through the fall and spring semesters, and their expertise touches most of the arts in addition to film.

Edward Albee, who began writing at age 6, will represent the theater arts, Oct. 6-7.

Winner of two Pulitzer Prizes, Albee has been acclaimed for such dramas as "The American Dream" and "Who's Afraid of Virginia Woolf?"

-more-

speaker series/add one

He will speak at 7 p.m., Oct. 6, in the Center Theatre.

"Albee has something to say on the platform and says it well. He argues that live theater in America is important and should be made more available to all, not just to the privileged few," Boring said.

Following his lecture, Albee will attend an 8:30 p.m. Texas Tech Theatre Department production of one of his plays.

From movies and theater the Speakers Series moves to world renowned anthropologist Margaret Mead on Dec. 5.

Dr. Mead holds 18 honorary doctorates and is currently Curator Emeritus of ethnology at the American Museum of Natural History and adjunct professor of anthropology at Columbia University.

Also a psychologist, teacher, lecturer, writer and observer of change in our time, Mead has authored 18 books and co-authored or -edited another 15.

Leonard Weinglass, in residence Jan. 18-20, will bring focus to the legal profession and in particular defense attorneys.

As defense attorney for Jane Fonda, Russell Means, Angela Davis, Tom Hayden and others, Weinglass has been embroiled in several of the past decade's major political trials. He also has served as counsel to Abbie Hoffman, Rennie Davis, John Froines, Ken Gibson and Imamu Baraka (LeRoi Jones).  
(cq)

Other speakers for the school year include the journalist of wit, style and social comment, Tom Wolfe, April 4; and the pianist-composer, recording-artist, arranger, conductor, actor, author, teacher, radio-TV star, Billy Taylor, April 19-21.

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CONTACT: Jimmy Tate

LUBBOCK--Army ROTC cadets at Texas Tech University may be in for a surprise when they return to fall classes and find themselves under the command of a woman. However, it should not take them long to realize why they have a woman commander.

Nancy Heath Davenport was listed in the top 14 per cent of the leadership and peer rating score this summer at an advanced camp which includes cadets from all over the United States.

Davenport, senior mathematics major and honor student from Farmers Branch, Tex., has been selected as the first woman Army ROTC cadet battalion commander at Texas Tech.

"I haven't had any problems associated with being a woman since I have been in the corps, and I don't anticipate any as a commander," she said.

According to Capt. Michael C. Wilgen, assistant professor of military science, Davenport will be in charge of the overall operation of the battalion. She will represent the battalion on dignitary visits, conduct inspections and help train other cadets.

She has been involved in Army ROTC for the past three years as sergeant, sergeant-major and cadet 2nd lieutenant before being selected as commander.

Davenport has held a one year ROTC scholarship sponsored by a local retired colonel. She also has been on the Texas Tech golf team the past four years and played last year on a golf scholarship.

She says the commander position will be an experience which she is anticipating.

-more-

"The corps will be larger than usual and will be a real challenge," she commented.

Davenport attended three military camps this summer, including a five and one-half week camp at Fort Riley, Kan., mandatory for all advanced corps cadets. She was selected third best cadet in her platoon. The top two cadets were also women.

She also was in attendance at an Army-orientation training session for three weeks at Ft. McClellan, Ala. There she learned duties, responsibilities and behavior of an officer.

She went to the Army Airborne training camp, Ft. Benning, Ga. This was the first year the camp accepted women; however, Davenport was forced to leave early because of a knee injury.

Davenport says she is giving thought to a career in the military after she receives her commission.

Military intelligence and military police are her first and second choices for assignment.

Daughter of Mr. and Mrs. Edward D. Davenport, 3471 Golfing Green Dr., Farmers Branch, she is a 1973 graduate of R. L. Turner High School in Farmers Branch.

cutline-----

FIRST WOMAN COMMANDER--Nancy Heath Davenport receives congratulations from Lt. Col. George T. Kimbro, professor of military science at Texas Tech, on being selected commander of the Tech Army ROTC Battalion. Davenport is the first woman to hold the position at Texas Tech. She is the daughter of Mr. and Mrs. Edward D. Davenport, Farmers Branch, Tex. (Tech Photo)

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2-8-22-77



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CONTACT: Worth Wren

ATTN: Education News Editors

LUBBOCK--The senior citizens' free auditing program continues at Texas Tech University this fall, with registration Monday and Tuesday, Aug. 29 and 30.

Citizens 65 years old and older are permitted to audit free virtually any classroom course on campus on a space available basis, according to Dr. Michael Mezack, director of the Division of Continuing Education.

Registration for auditors will be from 8 a.m.-12 noon and 1 p.m.-5 p.m., both days in Building X-15, across from the Lubbock Municipal Auditorium parking lot. For information call Bea Russell at 742-2352.

Senior citizen auditors also benefit from free parking permits for commuter lots and free library passes, Mezack said.

"Those who audit a course do so for the purpose of hearing or seeing only; they do not have the privilege of participating in class discussions, laboratory or field work, of turning in papers, or of receiving a grade or credit in the course," according to the 1977-'78 Texas Tech catalog.

"Students who audit a course will not be listed on the class roll, and no notation of the audit will be made on the students' transcripts."

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CONTACT: Dan Tarpley

LUBBOCK--Four former students of Texas Tech, two of them attorneys who have maintained close ties with the university, a third associated with higher education and the fourth a nationally recognized agriculturalist, have been awarded "distinguished alumnus" status by the institution.

Recipients for 1977 are Dr. Lauro Fred Cavazos, dean of medicine of the Tufts University School of Medicine, Boston, since 1975; Manuel C. DeBusk, Dallas attorney, former regent and board chairman of Texas Tech and former member and chairman of the Coordinating Board, Texas College and University System; Marshall Formby, Plainview attorney, former member of the Texas Tech Board of Regents and chairman of the Building Committee of the Coordinating Board, Texas College and University System; and John C. White of Washington, D. C., deputy secretary of Agriculture in the United States Department of Agriculture and former Texas Commissioner of Agriculture.

Announcement of names of recipients was made today by W. K. "Bill" Barnett of Levelland, president of the Texas Tech Ex-Students Association.

They will receive the recognition at the annual distinguished alumni dinner at the University Center, 7 p.m., Sept. 23, the eve of the Texas Tech-Texas A & M University football game.

The "distinguished alumnus" program and dinner are sponsored by the Ex-Students Association and the Texas Tech Administration. Selection of recipients is by an anonymous committee with members from both the Administration and the Ex-Students Association.

-more-

distinguished alumni/add one

Purpose of the program, Barnett said, is to recognize and honor Texas Tech ex-students who have made significant contributions to society and whose accomplishments and careers have brought credit to the institution.

"The program does more than honor these former students," Barnett said. "It spotlights the accomplishments of Texas Tech and increases the pride of all ex-students, students, faculty and staff of the university."

A 1949 graduate of Texas Tech, Cavazos joined the faculty of Tufts University School of Medicine in 1964 as professor and chairperson of anatomy. He became associate dean in 1972 and acting dean in 1973. He was appointed dean in 1975.

Cavazos was born on the King Ranch in 1927. A brother, Brig. Gen. Richard Cavazos, was named a distinguished alumnus of Texas Tech last year.

The only other set of brothers to receive the recognition were Don Maddox of Gastonia, S.C., in 1972 and Jack Maddox of Hobbs, N.M., in 1967.

DeBusk, a 1933 graduate, is engaged in the practice of law with his wife. He received the LL.B. degree from the Southern Methodist University School of Law in 1941.

President of the Texas Tech University Ex-Students Association in 1974, he is also past president of the Dallas chapter of Texas Tech Alumni Association. He was a member of the Board of Regents, 1959-'66, and chairman, 1963-'65.

Active in civic and political affairs in Dallas County for many years, DeBusk served seven years as secretary of the Dallas County Democratic Executive Committee. He now heads that

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CONTACT: Dan Tarpley

LUBBOCK--John C. White of Washington, D. C., and Austin, deputy Secretary of Agriculture and former longtime Texas Agriculture Commissioner, has been named "distinguished alumnus" of Texas Tech University.

The 1946 graduate of Texas Tech, assuming office as State Commissioner of Agriculture in 1951 at age 26, became the youngest elected official in Texas history. He was re-elected 13 times and served until accepting his federal appointment this year.

As Agriculture Commissioner, White accomplished substantial reforms in legislation and administrative policy on behalf of the state's farmers, ranchers and consumers.

He achieved the first cooperative effort with Mexican officials on cotton insect pest controls. His ongoing reorganization of the Texas Department of Agriculture resulted in creation of the Consumer Protection and Services Division and establishment of the international Texas Agriculture Products marketing promotion program and special programs for the environment.

White was named a "Gerald Thomas Outstanding Agriculturalist" by Texas Tech and its College of Agricultural Sciences in 1969.

White and three other 1977 "distinguished alumni" will be honored at the annual Distinguished Alumnus dinner, Sept. 23, the eve of the Texas Tech-Texas A & M University football game.

-more-

john c. white distinguished/add one

The other recipients are Dr. Lauro Fred Cavazos, Tufts University School of Medicine dean since 1975; Manuel C. DeBusk, Dallas attorney and former regent and board chairman of Texas Tech; and Marshall Formby, Plainview attorney, former member of the Texas Tech Board of Regents and chairman of the Building Committee of the Coordinating Board, Texas College and University System.

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4-8-23-77

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CONTACT: Dan Tarpley

LUBBOCK--Manuel DeBusk, Dallas attorney, former regent and chairman of the Texas Tech Regents and former member and chairman of the Coordinating Board, Texas College and University System, has been named "distinguished alumnus" of the university.

The 1933 Texas Tech graduate is engaged in the practice of law with his wife. He received the LL.B. degree from Southern Methodist University School of Law in 1941.

DeBusk was president of the Texas Tech University Ex-Students Association in 1974 and is also a past president of the Dallas chapter of Texas Tech Alumni Association. He was a member of the Texas Tech Board of Regents, 1959-'66, and chairman, 1963-'65.

Active in civic and political affairs in Dallas County many years, DeBusk served seven years as secretary of the Dallas County Democratic Executive Committee and now head of that committee. He is past international president of Cosmopolitan International, Inc., of the Dallas club of Cosmopolitan International and of the National Lefthanded Golfers Association.

He is president of the Dallas Mortgage Association and the first non-mortgage banker to serve in that capacity.

DeBusk was graduated from Idalou High School at age 14 and Texas Tech at 18. Exactly 30 years later he was signing degrees for the institution. His name was inscribed on more diplomas than Tech's total enrollment when he was a student.

-more-

debusk distinguished/add one

Other 1977 recipients of the "distinguished alumnus" designation are Dr. Lauro Fred Cavazos, dean of Tufts University School of Medicine, Boston, since 1975; Marshall Formby, Plainview attorney and former member of the Texas Tech Board of Regents; and John C. White of Washington, D. C., deputy secretary of the U. S. Department of Agriculture and former longtime Commissioner of Texas Agriculture.

The four will be honored at the annual Distinguished Alumnus dinner, Sept. 23, the eve of the Texas Tech-Texas A & M University football game.

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4-8-23-77

# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136  
Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: Dan Tarpley

LUBBOCK--Dr. Lauro Fred Cavazos, dean of the Tufts University School of Medicine since 1975, has been named "distinguished alumnus" of Texas Tech University.

Cavazos received the Bachelor of Arts Degree from Texas Tech in 1949 and the Master's two years later. He received the Ph.D. degree in physiology from Iowa State University in 1954.

Born on the King Ranch in Texas in 1927, Cavazos joined the TUSM faculty in 1964 as professor and chairperson of anatomy. He became associate dean in 1972 and acting dean in 1973. Two years later he was appointed dean.

A brother, Major Gen. Richard Cavazos, was named a distinguished alumnus of Texas Tech last year.

Cavazos and three other "distinguished alumni" will be honored at the annual Distinguished Alumnus dinner, Sept. 23, the eve of the Texas Tech-Texas A & M University football game.

Other 1977 distinguished alumni are Manuel C. DeBusk, Dallas attorney and former member and chairman of the Coordinating Board, Texas College and University System; Marshall Formby, Plainview, Texas, attorney, former member of the Board of Regents and chairperson of the Building Committee of the Coordinating Board; and John C. White, deputy secretary of Agriculture in the United States Department of Agriculture and former longtime Commissioner of Agriculture of Texas.



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CONTACT: Dan Tarpley

LUBBOCK--Marshall Formby, Plainview attorney and former member of the Texas Tech Board of Regents, has been designated "distinguished alumnus" of the university.

Formby is a member of the Coordinating Board, Texas College and University System, and chairperson of its Building Committee.

The 1932 Texas Tech graduate is also co-owner of radio stations at Hereford, Levelland, Temple and Tyler. He has been county judge, state senator, member and chairman of the Texas Highway Commission.

Formby edited the Texas Tech newspaper, formerly "The Toreador," his senior year. He received the Master of Journalism degree from the University of Texas and studied law at Baylor University. He is a former newspaper reporter, editor and publisher.

Formby was president of the Texas Tech Ex-Student Association in 1939 and has been active in alumni and other university affairs since his graduation.

Formby and three other "distinguished alumni" will be honored at the annual Distinguished Alumnus dinner, Sept. 23, the eve of the Texas Tech-Texas A & M University football game.

The other 1977 recipients are Dr. Lauro Fred Cavazos, dean of the Tufts University School of Medicine, Boston, since 1975; Manuel C. DeBusk, Dallas attorney, former regent and board chairman of Texas Tech and former member and chairman of the

-more-

formby distinguished/add one

Coordinating Board, Texas College and University System; and John C. White of Washington, D. C., deputy secretary of Agriculture in the United States Department of Agriculture and former longtime Texas Commissioner of Agriculture.

-30-

4-8-23-77

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CONTACT: Dan Tarpley

LUBBOCK--Carmen Elizabeth Castro of Port Arthur has become the first recipient of a Ph.D. degree in home economics with a major in food and nutrition at Texas Tech University.

The 26-year-old scholar completed requirements for the degree this week and will remain at Texas Tech as a post-doctoral research scientist in the division of biochemistry of the Department of Chemistry.

Her research leading to the doctorate in home economics concerned effects of dietary lipids on carcinogenesis, which she phrases in lay terms, "effects of saturated and unsaturated fats on cancer in animals."

"Some of the reports of the results of the study are pending publication," she said, "and some have been published and presented in the form of papers at national meetings."

She collaborated with The University of Texas M. D. Anderson Hospital and Tumor Institute at Houston and the Department of Biological Sciences at Texas Tech in her study. Research co-directors at Texas Tech were Dr. S. P. Yang, professor of food and nutrition, and Dr. Ira C. Felkner, associate professor of biological sciences.

"I am sure that our research efforts have made significant contributions to the study of the effects of dietary lipids on cancer in animals," she commented.

-more-

food and nutrition/add one

In her post-doctoral work Castro will be associated with her husband, Dr. J. Sanders Sevall, assistant professor of chemistry. She plans a career in research.

Castro is a 1969 graduate of Thomas Jefferson High School in Port Arthur and the daughter of Mr. and Mrs. Richard N. Castro, 1437 Main Ave., Port Arthur. She received the bachelor of science degree from Lamar University, Beaumont, in 1972 and the master's degree from Texas Tech in 1974.

"We are proud of Dr. Castro as our first doctorate in home economics with an emphasis in food and nutrition," said Dr. Charles V. Morr, department chairperson. "We congratulate her and know that through her research and other activities she will make significant contributions to the food and nutrition sciences."

cutline-----

NEW PH.D. IN HOME EC--Carmen Elizabeth Castro of Port Arthur has become the first recipient of a Ph.D. degree in home economics with a major in food and nutrition at Texas Tech University. She is shown with Dr. S. P. Yang, professor of food and nutrition, co-director of her research into effects of saturated and unsaturated fats on cancer in animals. Castro will continue post-doctoral work in the Department of Chemistry at Texas Tech. She plans a career in research. (Tech Photo)

-30-

6-8-24-77

# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136  
Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: Dan Tarpley

LUBBOCK--The sights and sounds of an awakening university began to accelerate on the Texas Tech campus today (Tuesday).

Officially, it was the first day of the fall semester, with the residence halls opening at 10 a.m.

Young men and women new to the campus and others returning after a summer of work and play populated the university acreage. They came wearing new three-piece vested suits and the ultimate in feminine fashion to faded denims and cut-offs, also the ultimate in collegiate apparel.

The look of bewilderment, confusion and even a touch of fright and timidity could be seen in the faces of 17- and 18-year-old men and women asking questions, ranging from where is the Administration Building to where is the nearest rest room.

On the south side of the campus budding musicians and twirlers were hard at work in the sun and shade preparing for the first football game of the season. Snare drummers were practicing rolls and flourishes, the basses were booming and the brasses were working on their triple-tonguing and fanfares. The drum majors were strutting their stuff.

On the north side of the campus sweating, panting athletes were grunting and groaning as they converted obesity into muscle in two and three-a-day drills with their thoughts on Sept. 10 when the Red Raider gridgers meet the Baylor Bears in what is likely to be hot and humid Waco.

-more-

first day of fall semester/add one

Out-of-towners were moving into residence halls and off-campus quarters, many accompanied by their parents, others in their own vehicles ranging from brand new sporty American- and foreign-made convertibles and coupes to older, banged-up models only a year or two away from retirement in a wrecking yard. There also were pick-ups of every vintage, many dating from the early sixties to the current luxury types with AM-FM radios, stereo tape players, not to mention the tell-tale antennas which reveal CB's to be used for night life and wildlife, meaning "bears."

But most of today's arrivals are here for serious dedicated study and learning to prepare themselves for productive and enriched careers.

Certainly not the least exciting happening tied to the beginning of the fall semester has been the early arrival of more than 750 young men and women for "rush" week which precedes the pledging by sororities and fraternities.

Most of the freshmen have already registered. For all students who have not pre-registered, official registration begins Wednesday (Aug. 24) to continue through Friday (Aug. 26). Classes will begin Monday, Aug. 29. Late registration will continue through Sept. 14, and the first holiday for the entire university is scheduled for Labor Day, Sept. 5.

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CONTACT: Jimmy Tate

LUBBOCK--Three Texas Tech University scientists will live in and study the western region of Antarctica, known as Marie Byrd Land, from October to January, through a grant from the National Science Foundation.

They are Dr. Russell Strandtmann, Horn professor of biology and veteran Antarctic explorer and researcher, Carl Cathey, geology research associate from The Texas Tech Museum and John F. Brand, master's candidate in geology and son of museum curator, Dr. John P. Brand.

Cathey and Brand, with seven other geologists from institutions across the country, will study the geologic formations of Marie Byrd Land.

According to Cathey, the group will try to determine the geologic history of Marie Byrd Land, an area of approximately 5,000 square miles. There is disagreement on the origin of the region, and he wants to study more data before stating his own theories.

Strandtmann will be the only biologist on the expedition. He will study terrestrial arthropods that feed on algae and moss.

The Texas Tech professor said he has wanted to go on an expedition to the Antarctic for the past 10 years. He has made several proposals to the National Science Foundation that were not accepted because there were not enough specialists interested in making the trip.

-more-



antarctic expedition/add one

"To make it worthwhile we had to have at least seven to a dozen people," Strandtmann said.

The grant from the foundation is for approximately \$60,000, according to Cathey.

He said the group will live in temporary buildings made of thick blankets and will have supplies flown in to the base camp.

Even though the group will be there during the Antarctica's spring and summer, it will be cold by Temperate Zone standards.

"On a hot day it may get up to 35 degrees. That's when we go sun bathing," he said.

Dr. F. Alton Wade, Horn professor of geosciences and research associate for The Texas Tech Museum, was instrumental in organizing the expedition, Cathey said. Wade has led several expeditions in the Antarctic but will not go on the expedition because of health reasons.

He has made seven expeditions to Marie Byrd Land, the first in 1933. Wade has also helped in publication of three maps of the area.

He has named several of the sites for Texas Tech and Lubbock. Some of the sites marked on the map are Matador Mountain, Lubbock Ridge and Mt. Wade.

CUTLINE-----

A COLD EXPEDITION--John F. Brand, left, and Carl Cathey examine the Antarctica region they will journey to with other geologists from across the country. The geologists will collect data in an effort to determine the geologic history of the area. The group will leave in October. (Tech photo)

# Texas Tech News

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CONTACT: Marcia Lundy

LUBBOCK--Although the United States is concerned with the flow of immigrants into the country, it still welcomes those coming to imbibe a little "good, ole American know-how" to take back to their countries.

In fact, the United States not only welcomes them, it also helps provide opportunity for selected people to come to the states through funding by the U.S. Department of Agriculture (USDA) and the Agency for International Development (AID).

A country receiving this aid is Pakistan. One of the Pakistani government employees now in the United States for training is Sheikh M. Mushtaq, who will be at Texas Tech University until mid-January.

The 44-year-old Mushtaq is an assistant economic botanist in the Pakistan Department of Agriculture. He received the bachelor of science degree from Government College at Lahore in 1953.

In Pakistan, Mushtaq explained, at least three workers are required for each acre of farmland. Almost everything in crop production and harvesting is still done by hand. However, the government is beginning to import farm equipment, which will replace some, if not all, the workers, who will, in turn, be trained to operate the machinery.

-more-

Even though Pakistani farmland is individually controlled, Mushtaq said the government supplies farmers with improved varieties of seed in an effort to initiate production of new crops. The government also advises farmers on which control of insects and on fertilizers to use and when to apply them.

When Mushtaq returns to his country, he will relay his newly acquired knowledge to farmers near his substation.

About 12 hours of course work this fall will provide him with training in plant breeding, variety improvement, nutrition and research methods, and techniques for relaying that research under the guidance of Prof. Chester Jaynes of the Tech Plant and Soil Sciences Department.

Jaynes, himself, is involved in forage crop research. He has planned several field trips for Mushtaq, including one to the USDA station in Bushland to discuss wheat breeding and one to the Texas Tech University Center at Amarillo to study large scale crop production there.

Mushtaq has been at Texas Tech since July 20 and has already had a one-day session with the seed and plant producers (cq) at P A G Seeds. He was particularly interested in its work with improvement of grain sorghum production.

Near the end of his stay in the United States, Mushtaq will attend two seminars sponsored by AID to study and discuss the process of introducing these changes in a developing country such as Pakistan.

cutline-----

PAKISTANI STUDENT--Texas Tech University professor Chester Jaynes, left, supervises as Sheikh Mustaq, a temporary student from Pakistan, checks the weight on a grain sample in preparation for laboratory testing. Mushtaq is at Texas Tech for concentrated study on forage crops. (Tech Photo)

-30-

8-8-25-77

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CONTACT: Jane Brandenberger

SUGGESTED RELEASE DATE: SUNDAY, AUGUST 28

The El Paso Regional Academic Health Center (RAHC) building of Texas Tech University School of Medicine will be publicly dedicated Thursday, Sept. 8, at 10 a.m., Tech President Cecil Mackey announced today.

Dedicatory proceedings will be held in the center's auditorium.

Established in El Paso some four years ago, the RAHC has been operating from leased space in R. E. Thomason Hospital and The University of Texas Nursing School offices.

"Opening of the approximately 37,000 square feet of new space in the center building is imperative," Dr. Mackey said, "because the entire 40-member junior class, as well as selected seniors and residents, will be in clinical training in El Paso during the coming academic year."

The new \$1.4 million, two-story structure, located at 4800 Alberta Ave., is adjacent to R. E. Thomason Hospital. It encompasses office space, classrooms, meeting rooms, library and auditorium.

The library, to house some 35,000 volumes, is linked by computer to the National Library of Medicine and provides the El Paso medical community access to the latest medical information, according to Dr. Robert H. Misenhimer, associate dean in charge of the El Paso RAHC.

-more-

dedication of el paso rahc/add one

The 300-seat auditorium is designed and equipped for medical and other health professionals. Misenhimer expressed the hope that the center's facilities will serve as a focal point for continuing education for community and area health professionals.

Presiding over the dedication will be Dr. Judson F. Williams of El Paso, chairman of the Board of Regents of the Texas Tech University School of Medicine.

In discussing the dedication Williams commented on the center's economic impact on the city. "At present the center funnels some \$2.3 million into the El Paso economy. This budget will, of course, grow as the center continues its expansion. The faculty and students bring even more dollars to the local economy, as well as medical services to the community."

The center provides medical services through affiliations with R. E. Thomason, William Beaumont Army Medical Center, Hotel Dieu Hospital, the Veterans Administration Outpatient Clinic, El Paso State Center for Human Development, The Guidance Center, Mental Health and Mental Retardation Center and The St. Margaret Center.

The Texas Tech University School of Medicine was created by the 61st Legislature to address problems of health care delivery in rural areas and to develop regional education programs emphasizing primary care to families. Its service area was designated as the 106 counties of West Texas.

Legislation specified development of medical educational programs in El Paso, Amarillo, Lubbock and the Permian Basin.

# TexasTech News

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CONTACT: Worth Wren

ATTN: Public Service Directors

(Please use this PSA upon receipt and until noon, Sept. 16.

Thanks.)

30 seconds

TEXAS TECH UNIVERSITY CENTER CULTURAL EVENTS IS OFFERING ANOTHER OUTSTANDING YEAR OF ENTERTAINMENT, INCLUDING A SPOOF ON THAT GREAT INSTITUTION, THE TV SOAP OPERA, AND A PERFORMANCE BY THE PHILHARMONIA HUNGARICA. BALLET, A MODERN FARCE IN THE CLASSICAL MOLD, AND PERFORMANCES BY A CLASSICAL GUITARIST AND A WORLD FAMOUS ORGANIST ARE ALSO PLANNED. THE SPEAKERS SERIES FEATURES A MOVIE CRITIC, A CONTROVERSIAL DEFENSE ATTORNEY, AN ANTHROPOLOGIST AND A PLAYWRIGHT. FOR TICKET INFORMATION CALL UNIVERSITY CENTER TICKET BOOTH, 742-3610.

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10-8-25-77



# TexasTech News

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CONTACT: Worth Wren

ATTN: Public Service Directors

(Please use this PSA through Oct. 2. Thank you.)

30 seconds

FRENCH ART WILL BE DISCUSSED IN A SERIES OF TEN LECTURES  
THIS FALL AT TEXAS TECH UNIVERSITY. RABBI ALEXANDER KLINE WILL  
DISCUSS THE IMPRESSIONISTS, BEGINNING WITH THE WORK OF  
(ZAHN FRAN-SWAH MEE-YAY) (AHN-REE ROO-SOH)  
JEAN FRANCOIS MILLET AND ENDING WITH THE WORK OF HENRI ROUSSEAU.  
ILLUSTRATED LECTURES WILL BE GIVEN AT TEN A.M., TUESDAY MORNINGS,  
OCTOBER THIRD THROUGH DECEMBER SIXTH, IN THE MUSEUM OF TEXAS TECH.  
REGISTRATION IS OPEN NOW. FEES ARE FIVE DOLLARS FOR STUDENTS AND  
TEN DOLLARS FOR ALL OTHERS. THE LECTURES MARK THE EIGHTEENTH YEAR  
OF ART SEMINARS SPONSORED BY THE WOMEN'S COUNCIL OF THE WEST TEXAS  
MUSEUM ASSOCIATION.

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CONTACT: Worth Wren

ATTN: News Directors

(Suggested release date: SUNDAY, Aug. 28.)

1 minute

THE EL PASO REGIONAL ACADEMIC HEALTH CENTER BUILDING WILL OFFICIALLY OPEN ITS DOORS TO THE PUBLIC IN A THURSDAY, SEPTEMBER EIGHTH, DEDICATION AT THE CENTER.

TEXAS TECH PRESIDENT CECIL MACKEY, REFERRING TO THE CENTER AS A VITAL PART OF TEXAS TECH UNIVERSITY SCHOOL OF MEDICINE, ANNOUNCED THE DEDICATION TODAY (Aug. 28).

CEREMONIES WILL GET UNDERWAY AT TEN A.M. (Sept. 8) (10 a.m.) IN THE CENTER'S AUDITORIUM. DR. JUDSON F. WILLIAMS, EL PASO RESIDENT AND CHAIRMAN OF TEXAS TECH'S BOARD OF REGENTS, WILL PRESIDE, AND MACKEY WILL DELIVER THE KEYNOTE SPEECH.

ESTABLISHED IN EL PASO SOME FOUR YEARS AGO, THE CENTER HAS BEEN OPERATING FROM LEASED SPACE IN R. E. THOMASON HOSPITAL AND THE UNIVERSITY OF TEXAS NURSING SCHOOL OFFICES. THE NEW 1.4 MILLION DOLLAR, TWO-STORY STRUCTURE AT 4800 ALBERTA AVENUE WILL HOUSE CLINICAL TRAINING FOR THE ENTIRE FORTY-MEMBER JUNIOR CLASS OF THE TEXAS TECH MEDICAL SCHOOL AS WELL AS SENIORS AND RESIDENTS DURING THE COMING YEAR. THE PUBLIC DEDICATION WILL FOCUS ON COMMUNITY SERVICE FEATURES OF THE FACILITY, INCLUDING A NEW MEDICAL LIBRARY OPEN TO AREA DOCTORS AND OTHER HEALTH PROFESSIONALS.

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CONTACT: Worth Wren

ATTN: Public Service Directors

(IMMEDIATE RELEASE: Please use this PSA until 9 a.m., Sept. 8.  
THANKS.)

(Enclosed are slides for 10- and 30-second PSAs. Thanks again.)

30 seconds

## VIDEO

## AUDIO

SLIDE #1 .....

A NEW STRUCTURE DEDICATED TO THE COMMUNITY  
  
IS OPENING ITS DOORS IN EL PASO.

SLIDE #2 .....

THE NEW BUILDING HOUSES THE TEXAS TECH  
  
REGIONAL ACADEMIC HEALTH CENTER AT EL PASO.

SLIDE #3 .....

(key Sept. 8)

YOU ARE INVITED TO THE FORMAL DEDICATION OF THE  
  
BUILDING, AT TEN A.M., THURSDAY, SEPTEMBER  
  
EIGHTH, AT 4800 ALBERTA AVENUE,

SLIDE #4 .....

(key Sept. 8)

ADJACENT TO R. E. THOMASON HOSPITAL.

SLIDE #5 .....

(key 10 a.m.)

EL PASO'S JUDSON F. WILLIAMS, TECH REGENTS

CHAIRMAN, WILL PRESIDE. TECH PRESIDENT CECIL

SLIDE #6 .....

(key Sept. 8)

MACKEY WILL KEYNOTE THE CEREMONIES. AN

OPEN HOUSE WILL FOLLOW.

# Texas Tech News

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CONTACT: Mark Haller

LUBBOCK--Texas Tech University Women's Athletic Director Jeannine McHaney has announced the signing of Janelle Smalley, high school track star from Albany, for the 1977-'78 season.

An outstanding basketball player as well as trackster, she qualified for regionals in five events. She won the high jump and set a new high school record with her first place finish in the 80 yard hurdles at the Class A state high school meet. Her best attempt at the high jump was 5'9", qualifying her for the AAU regional meet and the AAU National Junior Olympics in Omaha, Neb., Aug. 11-13.

Although Smalley competed in five track and field events in high school, she plans to specialize in the high jump and 100 meter hurdles.

Smalley received several scholarship offers in track but chose Texas Tech because "I really like the college and the friendliness of the people."

She is the daughter of Mr. and Mrs. Bill Smalley of Albany.

-30-

13-8-25-77

CONTACT: Dan Tarpley

LUBBOCK--Advanced graduate classes in educational administration leading to a doctorate and to a supervision certificate are again being offered by Texas Tech University at West Texas State University this fall.

Registration for classes will be held Wednesday evening, Aug. 31, and Sept. 7, 6-9 p.m., in the UCS Building. All persons wishing to enroll must be present.

A doctoral level course, Advanced Seminar in School Administration (EDAD 5361), will be offered on Monday night following registration and a course on Elementary School Supervision (EDAD 5311) will be held on Wednesday evenings.

Through the cooperation of West Texas State University, students in the Canyon-Amarillo area will have opportunity to pursue a doctorate in administration as well as obtain certification in supervision. Students who have completed their master's and administrative certificates are eligible to enroll.

Texas Tech University has developed a doctoral program which enables administrators to retain their positions while pursuing the terminal degree. Tech is offering courses in outlying areas such as Canyon, Midland and Abilene in an effort to make the program more accessible. Six students in the Canyon-Amarillo area are already in the new doctoral program.

-more-

education courses/add one

The program leading to certification in supervision is in conjunction with courses at West Texas State. Initial classes are taken at WTSU and the remaining are offered by Texas Tech in Canyon. Completion of the program leads to a certificate in supervision.

Those interested in obtaining more information about the administration doctorate or supervision certificate should attend the meeting next Wednesday.

-30-

4-8-25-77

CONTACT: Dan Tarpley

LUBBOCK--Advanced graduate classes in Educational Administration leading to a doctorate are again being offered by Texas Tech University at Midland College.

Registration for classes will be held Tuesday, Aug. 30, in the Student Center, 6-9 p.m. Those wishing to enroll or obtain information should be present.

A doctoral level course in Local, State, and Federal Interaction in School Administration (EDAD 5391) will be offered on Tuesday evenings. Students enrolling will be introduced to educational research and its practical application as well as advanced principles of administration as they apply to various levels of school organization.

Through the cooperation of Midland College, students in the Midland-Odessa area will have the opportunity to pursue a doctorate in administration. Students who have completed their master's degrees and administrative certificates are eligible to enroll. This doctoral program being offered by Texas Tech enables administrators to retain their positions while pursuing the terminal degree.

Two consecutive summer sessions at Texas Tech are part of the residency requirements. Tech is offering courses in outlying areas such as Canyon and Abilene in an effort to make the program more accessible. Three students in the Midland-Odessa area are already in the program.

-more-

tech-midland education course/add one

Those interested in obtaining more information about the administration doctorate should attend the meeting next Tuesday. Dr. Stephen B. Thomas, professor at Texas Tech, will be present to answer questions and register students.

-30-

15-8-25-77



Date	Stories and Cutlines	Locals	Reg. Daily	Reg. Week	50 M's	Hometowns	Selected	Explanation
1-8-29-77	NSF - URP students	✓					✓	
2-8-29-77	Law Seminar	✓	✓					
3-8-29-77	Victoria's World	✓					✓	adj. counties
4-8-29-77?	PSA - UC Cultural	✓						radio
5-8-29-77	German TV series	✓	✓					adj. counties
6-8-29-77	Education courses at AEU						✓	
7-8-29-77	Air bags	✓						
8-8-30-77	PSA - Law Seminar	✓					✓	radio plus
9-8-30-77	Art exhibition (faculty)	✓						
10-8-30-77	Sands - Family Night	✓						adj. counties
11-8-30-77	Dunn - featured speaker	✓						
12-8-31-77	Collins scholarship	✓						Albuquerque Daily mag
13-8-31-77	El Paso Center							TV & Radio
14-8-31-77	Lack of housing for Internat.							
15-8-31-77	KTXT & their grant	✓						
16-8-31-77	PSA - Sands (magician)							
17-8-31-77	<del>Egypt</del> Day (Welder Found)			✓			✓	
18-8-31-77	Mackey's - air bag	✓	✓					

[illegible]

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Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: B. Zeeck

LUBBOCK--Eleven university students, some from as far away as Alabama and Missouri, completed National Science Foundation-sponsored research projects at Texas Tech University this summer as a part of their training for possible future careers.

The Undergraduate Research Participation (URP) program is primarily an educational tool, but results of participants' work can contribute to a variety of engineering fields, according to project director Erich E. Kunhardt of the Tech electrical engineering faculty.

Each student selected for the program was assigned a faculty member to guide the research projects selected.

"None of the projects is a textbook exercise," Dr. Kunhardt said. "Instead, each student is presented with a problem related to his or her special interests. A possible solution is suggested, and the student's role is to devise a means to test this hypothesis and determine its merits."

Most of the projects, he said, dealt with aspects of energy problems or improved management of natural resources. In each case the undergraduate student was exposed to the type of work expected of graduate students.

"In this way, the student can experience something of the excitement of research and determine from that first-hand experience whether or not a research career would be satisfying," Kunhardt commented.

14-8-25-77

-30-

EDITOR'S NOTE: See add for information related to participants from your area.

URP/Add 1 for Edinburg, Amarillo, Lubbock, Abilene, Victoria, Birmingham, Ala., Conroe, St. Charles, Mo., Andrews, Coleman and Oklahoma City.

The 1977 URP participants included:

Michael Alley, son of Dr. and Mrs. Clyde D. Alley, 8 Cambridge Road, Amarillo, and a student at Texas Tech;

Howard Barnes, son of Mr. and Mrs. Howard M. Barnes, 300 Fair Oaks Drive, Fairfield, Ala., and a student at Auburn University;

Russell Bieseke, 7 Rockingham Place, Conroe, a Texas Tech student;

Patrick Donais, 108 Briarcliff Drive, St. Charles, Mo., a student at Tulsa University;

Ronald Flanary, son of Mr. and Mrs. Harold Carter, 1103 Crescent Drive, Andrews, and a student at Texas Tech;

Carl Irby, son of Dr. and Mrs. J. A. Irby, 1315 S. 10th, Edinburg, and a student at Texas Tech;

Patrick Leung, 2019 16th St., Lubbock, a Texas Tech student;

Donald McBride, son of William D. McBride, 9208 Northeast 10th St., Oklahoma City, and a student at Amarillo College;

George G. McDuff, 3618 63rd Dr., Lubbock, a Texas Tech student;

Timothy L. Oglesby, son of the Rev. and Mrs. Leonard K. Radde, 615 Cottonwood, Coleman, Tex., and a student at McMurry College;

Roxann Rippamonti, daughter of Mr. and Mrs. Charles Rippamonti, 2806 Curlew, Victoria, and a student at Texas Tech.

cutline-----

BREAKDOWN PHENOMENON--Glenn McDuff, right, Lubbock electrical engineering student at Texas Tech University, demonstrates for Prof. Tommy R. Burkes his research methods for studying the breakdown phenomenon in a spark-gap switch. By understanding the cause of the breakdown when extremely high currents and voltages are involved, McDuff hopes to help design a new device to switch power off even though hundreds of thousands of volts are involved. McDuff is the son of George G. McDuff, 3618 63rd Drive, Lubbock. He was selected this summer to work in an Undergraduate Research Participation program funded by the National Science Foundation. Dr. Burkes is a member of the electrical engineering faculty. (Tech Photo)

cutline.....

ENERGY ANALYZER--Ronald Flanary, left, a student of engineering physics at Texas Tech University, works with Prof. Erich E. Kunhardt on design of an electrostatic energy analyzer which will plot the energy spectrum of electrons within a plasma. Kunhardt is director of a National Science Foundation-funded Undergraduate Research Participation program at Texas Tech. Flanary, son of Mr. and Mrs. Harold Carter, 1103 Crescent Drive, Andrews, is a summer participant. (Tech Photo)

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cutline.....

PULSE DELAY GENERATOR--Patrick Leung, right, electrical engineering student at Texas Tech University, demonstrates for Prof. Erich E. Kunhardt a device he has been designing to generate electronic pulses at any given repetition rate and any given interval between pulses. The device, related to energy research, would be used to trigger events in plasma machines. Leung was selected to work this summer in an Undergraduate Research Participation program funded by the National Science Foundation. Kunhardt is 1977 director for the program. (Tech Photo)

cutline.....

LIBRARY DEVELOPMENT--Roxann Rippamonti, mathematics major at Texas Tech University, works with Electrical Engineering Prof. William M. Portnoy in development of a pattern library for hybrid integrated circuits. The library would be less costly than commercial models and yet serve university purposes, particularly in the area of energy research. Through use of computers circuitry can be designed on a screen, which process reduces handwork necessary prior to the photographic printing process. Rippamonti was selected as a 1977 Undergraduate Research Participant in a program funded by the National Science Foundation.



cutline.....

Attention: Education Editor Susan Ihne

WEST TEXAS SKY ON FILM -- Mike Alley, left, Texas Tech engineering physics student, examines with Dr. John D. Reichert a small portion of the 8 mm. film he has been taking, with time lapse photography, of the sky above Crosbyton, Tex. While there are many future uses for the relatively inexpensive system Alley was developing, Prof. Reichert said it is being designed specifically for the Crosbyton Solar Energy Project which he directs. Reichert is a member of the Texas Tech electrical engineering faculty. Alley's summer work was funded by the National Science Foundation Undergraduate Research Participation program. His film will be correlated with other atmospheric measurements to "map" the West Texas sky and clouds, dust or anything else which might diminish the amount of sunlight. Alley is the son of Dr. and Mrs. Clyde D. Alley, 8 Cambridge Road, Amarillo. (Tech Photo)

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1-8-29-77

cutline.....

NOVEL SWITCHING TECHNIQUE -- Howard Barnes, left, an Auburn University student, works with Dr. Marion O. Hagler of the Texas Tech University electrical engineering faculty on a mathematical model for a novel switching technique for high voltage and high currents. Barnes, son of Mr. and Mrs. Howard M. Barnes, 300 Fair Oaks Drive, Fairfield, Ala., examines a printout from the computer program he developed to determine the design of such a switch. Barnes' project, related to energy research, was supported by the National Science Foundation Undergraduate Research Participation program. (Tech Photo)

cutline.....

PHOTOGRAPHIC ANALYSIS BY COMPUTER--Don McBride, seated, a student at Amarillo College, has worked this summer in the National Science Foundation Undergraduate Research Participation program at Texas Tech University. His study related to contrasts and clutter in aerial photography, as determined by computer analysis. McBride, the son of William D. McBride, 9208 NE 10th, Oklahoma City, has been working with Texas Tech Electrical Engineering Prof. Donald L. Gustafson. He reviews his work here with Travis L. Simpson, research coordinator in electrical engineering. (Tech Photo)

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1-8-29-77

cutline.....

COMPUTER TECHNIQUE--Russell Bieselee, left, Texas Tech University engineering physics student, discusses with Prof. Frazer Williams his summer project leading to better understanding of light scattering phenomena which could be used in the development of a tool for studies of complicated biological systems. Bieselee, 7 Rockingham Place, Conroe, was selected for the 1977 Texas Tech Undergraduate Research Participation program sponsored by the National Science Foundation. (Tech Photo)

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1-8-29-77

cutline-----

OPTICAL COMMUNICATIONS--Carl Irby, left, Texas Tech University electrical engineering student from Edinburg, Tex., worked this summer on a project to develop computer-generated masks for use in optical data processors. His system would reduce costs in eliciting specific information. As a student in the National Science Foundation-funded Undergraduate Research Participation program, Irby has been working with Prof. John F. Walkup, right. The student is the son of Dr. and Mrs. J. A. Irby, 1315 S. 10th, Edinburg. (Tech Photo)

cutline-----

PLASMA DENSITY MEASUREMENT--Patrick Donais, left, a junior at Tulsa University, worked at Texas Tech University this summer on a research project to set up a microwave interferometer which would measure the electron density of plasma inside a small Tokamak in the electrical engineering laboratories. The Tokamak is a doughnut shaped, high temperature plasma containment device. Donais' faculty adviser was Dr. Magne Kristiansen of the electrical engineering faculty. He worked closely with doctoral degree candidate Steve Knox and is shown in the laboratory with Hugh Kirby, graduate student. Donais' summer work was sponsored by the National Science Foundation through its Undergraduate Research Participation program. Donais is a resident of 108 Briarcliff Drive, St. Charles, Mo. (Tech Photo)

# Texas Tech News

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Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: Mark Haller

LUBBOCK--The Texas Tech University School of Law will conduct its annual "Stay Abreast Law Seminar", Saturday, Sept. 24, at the Law Building.

The continuing education seminar will feature a faculty of attorneys and law professors to review and analyze legislation by the recent Texas legislative session related to law practice. The seminar will include a full day's instruction, beginning at 9:00 a.m. and a luncheon on campus with State Senator Kent Hance as speaker.

Registration fee for the seminar is \$50.00, which includes instructional materials and luncheon.

Seminar directors are Prof. Charles P. Bubany and Assistant Dean Michael Irish.

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CONTACT: B. Zeeck

LUBBOCK--Eminent Victorians, and some not so eminent, the homes they lived in, the streets they walked, the sights they saw are on exhibit at The Museum of Texas Tech University.

"Victoria's World" is a photographic exhibition brought to The Museum through the sponsorship of the West Texas Museum Association. It is from the Gernsheim Collection, Humanities Research Center, the University of Texas at Austin. The exhibit will be on display through Sept. 25.

As exhibited at The Museum, the photographs are enhanced by furniture and costumes of the era, from the history and historical fashion and textiles collections of The Museum.

Of special interest in the exhibit of 200 facsimile prints of Victorian England and the Empire are portraits of men and women of the time. In addition to famous portraits of Queen Victoria and the Prince Consort, there is Julia Margaret Cameron's photograph of Alfred Lord Tennyson and Lewis Carroll's photo, "The Rossettis."

Other famous photographs include Philip Delamotte's "Crystal Palace," P. H. Emerson's "Gunner Working Up To Fowl," and Paul Martin's "Porter at Billingsgate."

For photographers the exhibit offers an overview of the state of the art in the Victorian period. For the general viewer the exhibit offers a look at the truth of the past.



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CONTACT: Jimmy Tate

LUBBOCK--For the first time in history the Public Broadcasting System (PBS) will have a language series available for nationwide use. The series focuses on German and is intended to educate viewers not only on the German language but also on that nation's culture.

KTXT-TV, Texas Tech University's television station and PBS affiliate, will carry the program through the fall and spring semesters, according to operations manager Ken Jarvis.

Beginning and advanced language programs will be aired weekly, with the former, "Gutentagnin Deutschland," to start Wednesday, Sept. 7, 10:30 p.m., and the latter, "Gutentag Wie Geht's," to begin Sunday, Sept. 11, 4:30 p.m. Both programs are one-half hour in length.

Jarvis said the beginning program will be changed to Tuesdays at 6 p.m. and the advanced to Wednesdays at 6 p.m., as of the first week in October.

According to Theodor W. Alexander, professor and associate chairperson of the Department of Germanic and Slavic Languages, the series, first produced in 1967 by the Goethe Institute in Germany, has been revised and is being re-released this fall.

It will include movies, folksongs and conversations about Germany.

Series' participants are professional actors, according to Alexander.

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8/30/77

german television series/add one

He said students enrolled in German classes at Texas Tech will be urged to watch the program because it will supplement their classroom lessons and add to their cultural knowledge of Germany. He suggested the series will also appeal to Lubbock viewers interested in Germany and in travel.

While more than 50 per cent of the nation's PBS stations will carry the program, KTXT will be the only participating Texas station, Jarvis said.

Texas Tech has the rights to the series for three years without charge.

The German series, perhaps to be followed by a French series, could be the beginning of nationwide language series on educational television, Jarvis said.

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CONTACT: Dan Tarpley

LUBBOCK--Advanced graduate classes in educational administration leading to a doctorate are again being offered at Abilene Christian University by Texas Tech University.

Registration for classes will be Tuesday, Sept. 6, in the Educational Building at ACU, 6-9 p.m. Those wishing to enroll or obtain information should attend that meeting.

A doctoral level course, Advanced Seminar in School Administration (EDAD 5361), will be offered Tuesday evenings. Students enrolling will be introduced to educational research and its practical application as well as advanced principles of administration. Discussion areas will include such topics as personnel management, collective bargaining, and public relations techniques and application.

This cooperative program is entering its third year. Many administrators in Abilene and surrounding areas are already in the doctoral program. Abilene Christian University entered into the program with Texas Tech to enable students to pursue a doctorate while filling a full time position. Additional information may be obtained from Dr. Hershel Avinger at Abilene Christian University or Dr. Paul Zintgraff, Texas Tech University.

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CONTACT: Jimmy Tate

LUBBOCK--An automobile air bag passive restraint system will be demonstrated Wednesday, (Aug. 31), 10 a.m.-2 p.m., at the University Center on the Texas Tech University campus.

The Texas Tech Division of Continuing Education Traffic Safety Coordination Program and the U.S. Department of Transportation are sponsoring the event.

Dr. Cecil Mackey, Texas Tech president, will deliver opening remarks and participate in the demonstration.

Don Hill of the U.S. Department of Transportation's National Highway Traffic Safety Administration (NHTSA) will speak on the life-saving potential of the air bag.

Last June U.S. Transportation Secretary Brock Adams announced that all new passenger cars must be equipped with automatic crash protection, such as air bags or passive safety belts, at all front seat positions by 1984, according to John B. Howard, Tech traffic safety coordinator. Passive systems will be required on a phase-in schedule beginning with standard size cars in 1982 and intermediate and compact size cars in '83.

Passive restraints are systems automatically protecting automobile occupants from collision injuries, without occupants fastening safety belts or taking any other action, Howard said.

Air bags are designed to provide protection in frontal or frontal angular collisions. Installed in the dashboard and the steering wheel hub, they are invisible to the automobile user until a crash occurs.

-more-

air bag demonstration/add one

Air bags inflate approximately in 1/25th of a second, in a crash, to provide a cushion for the driver or passenger to protect him from colliding with the steering wheel, dashboard or windshield, Howard said. The bags then begin to deflate gradually.

Deployment of the bags in the Texas Tech demonstration will take between two and three seconds, more than 50 times slower than deployment in an actual collision. The slower inflation speed will allow viewers a closer look at how an air bag system works, Howard said. The air bags can then be repacked and the cycle repeated in approximately three minutes.

A technician will be available to answer questions and provide printed material on passive restraint systems.

The air bag systems in the demonstration will be installed in a '77 Chevrolet Impala. Two nitrogen tanks in the trunk of the vehicle are used to supply the gas that inflates the bags, once they are activated by an automatic switch controlled by the NHTSA technician, Howard explained.

NHTSA estimates that 9,000-12,000 lives could be saved and thousands of injuries prevented annually by passive restraint systems, once they are installed in all cars.

According to the U.S. Department of Transportation, an average of 124 persons were killed every day in traffic accidents in the United States last year. Eight out of every 10 front seat occupants do not use safety belts, according to the Department of Transportation.

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CONTACT: Nita Gilger

LUBBOCK--Art admirers can view approximately 80 works Sept. 4-Oct. 2 at the Texas Tech University annual exhibition of faculty compositions in the Art Building Gallery.

Works will include paintings, prints, sculpture, textiles, drawings, ceramics, enamels, jewelry and glass pieces.

Thirty faculty members will have pieces on display, including engraved glass by Paul Hanna, watercolor paintings by Clarence E. Kincaid and prints by Lynwood A. Kreneck.

Four new faculty members also will show. James Bolton, a watercolorist recently of California, will exhibit a painting entitled "Xerox Trash." Verne Funk, former instructor at Bradley University, will show a ceramic titled "Lip Frost." Funk now heads the ceramics program at Texas Tech.

Sara Waters, also new to the faculty, will show drawings, and Alex Karther, formerly of Richmond, Va., black and white structure and environmental studies.

Other exhibitors include Bill B. Bagley, Hugh J. Gibbons, Wayne N. Greene, James D. Howze, John T. Morrow, Kenneth R. Dixon, Francis B. Stephens, Bill C. Lockhart, Frank R. Cheatham, Donald L. Durland, Donna R. Read, John Queen and Betty A. Street.

cutline-----

FACULTY ART DISPLAY--Texas Tech University art professors Verne Funk, left, and James Bolton show some of the works to go on display Sept. 4-Oct. 2 at the Tech Art Building Gallery for the annual exhibition of faculty compositions. Works will include paintings, prints, sculpture, textiles, drawings, ceramics, enamels, jewelry and glass pieces. (Tech Photo)

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9-8-30-77

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CONTACT: Nita Gilger

LUBBOCK--Magic is the entree on the menu for the food and fun Family Night, Sept. 9, 8 p.m., at the Texas Tech University Center Ballroom. Magician George Sands headlines the performance.

The family night program will include an optional dinner served at 6:30 p.m. Tickets for the dinner and performance must be purchased by Sept. 8.

Sands is author of five magic books and two encyclopedias on balloon sculpturing. He also is a TV performer and a lecturer.

The magician will perform card tricks and a rope trick session in the University Center Courtyard from 11 a.m.-1 p.m., Sept. 9.

Tickets are \$4 for adults, \$2.50 for children and \$2 for the performance only.

More information can be obtained by contacting the Cultural Events Office at 742-3611.

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# Texas Tech News

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CONTACT: Dan Tarpley

LUBBOCK--Texas Tech University's Southwest Collection director, Roy Sylvan Dunn, will be a featured speaker at a special state-wide conference of collecting institutions in Austin, Sept. 8.

Sponsored by the Texas Historical Records Advisory Board, the conference will deal with competition and cooperation among archival agencies throughout the state. Dunn, a member of the board, will discuss "How Much Communication Is Enough?"

Administrators of archival agencies and special libraries from throughout the state will attend the one-day session. The program is being coordinated by Texas State Archivist David Gracy II, former archivist for Texas Tech's Southwest Collection.

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11-8-30-77

collins scholarship/add one

In 1965, he expanded his interests in southwestern dairy operations to include Creamland Dairies, Inc., of Albuquerque. Collins was serving as board chairperson for Creamland Dairies when it merged with Bell Dairy.

In 1968, he stepped down as president of the corporation but remained chairperson until his retirement in 1973.

He was selected "Man of the Year" in 1975 by the New Mexico Dairymen's Association.

Collins is widely known for his concern for the people employed by his companies and for his dedication to the dairy processing industry.

The Dads Association scholarship program is financed from interest on Endowment Funds for Scholarships, a project set up four years ago with a goal of \$253,000. Currently the fund has pledged \$139,739.35 with \$132,739.35 paid.

Each \$5,000 contribution provides a minimum \$350 scholarship.

The Texas Tech Dads Association awards 37 scholarships annually, 17 of which result from endowments of \$5,000 each. The scholarship bearing Collins' name is the 17th.

# Texas Tech News

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CONTACT: Worth Wren

ATTN: News Directors

(Immediate Release: 1 minute)

TEXAS TECH UNIVERSITY PRESIDENT CECIL MACKEY WILL KEYNOTE THE SEPTEMBER EIGHTH DEDICATION OF THE NEW 1.4 MILLION DOLLAR REGIONAL ACADEMIC HEALTH CENTER AT EL PASO. ACTIVITIES BEGIN AT TEN A.M., THURSDAY (Sept. 8), IN THE CENTER AUDITORIUM.

MACKEY, WHO HEADS THE UNIVERSITY AND THE TECH SCHOOL OF MEDICINE, WILL HAVE HIS FIRST OPPORTUNITY TO TALK TO EL PASOANS ABOUT THE CENTER DURING THE DEDICATION. DR. JUDSON F. WILLIAMS OF EL PASO, WHO CHAIRS THE BOARD OF REGENTS FOR THE UNIVERSITY AND MEDICAL SCHOOL, WILL PRESIDE.

THE MOST REVEREND SYDNEY M. METZGER, BISHOP OF EL PASO, WILL GIVE BOTH THE INVOCATION AND BENEDICTION.

A FREQUENT SPEAKER, WRITER AND CONSULTANT IN ECONOMICS, LAW AND TRANSPORTATION, MACKEY HAS TAUGHT AT THE UNIVERSITIES OF ALABAMA, MARYLAND AND ILLINOIS. HE CAME TO TEXAS TECH FROM THE PRESIDENCY OF THE UNIVERSITY OF SOUTH FLORIDA.

MACKEY AND WILLIAMS WILL HELP DEDICATE THE NEW 37,000 SQUARE FOOT EL PASO CENTER FOR THE TEXAS TECH SCHOOL OF MEDICINE, IN PUBLIC CEREMONIES. THE CENTER CONTAINS OFFICE SPACE, CLASSROOMS, MEETINGS ROOMS, A LIBRARY AND AN AUDITORIUM.

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13-8-31-77

# Texas Tech News

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CONTACT: Prabhu Ponkshe

LUBBOCK--If the West German is living with an Indian and the Nigerian is staying with a student from Iran, where does the student from Colombia live?

If you have an answer to this question, please call Jennie Anderson, International Programs Office at Texas Tech University. The telephone number is 742-3667.

More than 150 new international students arrived in Lubbock last week, and Jennie is trying to find temporary housing facilities for some of them.

"Although the Lubbock community has done an excellent job in providing temporary housing facilities for most of the students, this year the housing problem for new international students is the worst that we have had during the past few years," Jennie said.

Apartments are either too expensive or too far from the campus, Jennie said, pointing out that most international students do not have a car.

The Community Coordinating Board, the Baptist Student Union and the Salvation Army are among those who have been very helpful in allowing students to stay for a short while, at least the first few days, she said.

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international students/add one

"This year almost 165 new international students are expected to enroll at Texas Tech. More than 150 have already enrolled and we expect about 10-15 students before late registration," Jennie said.

The total enrollment is expected to be around 700. Accurate figures will be available after Sept. 14, the last day for late registration.

Some of the most common majors are plant and soil science, industrial engineering and business. There are more graduate students this year than undergraduates.

The housing problem has hardly discouraged any of the new students and especially those transferring from other universities in the United States.

The size of the university campus and its friendly atmosphere as well as that of the town make a big impression on the new students.

"Most of them have never had to say so many 'Hellos' and 'Howdies'," Jennie said, "even in their own native countries. It is really surprising how so many new students notice the informal and cordial atmosphere in Lubbock."

A transfer student, Vipul Shah of India, who is coming to Texas Tech from a university in Oklahoma, found the friendliness so unusual that he has invited a few of his friends from Norman during Labor Day just to prove a point.

A Nigerian couple, studying in Arkansas, complained that in their three years at a U.S. university they had not seen the inside of an American home. During their one week sojourn in Lubbock the couple was invited to stay with four different families.

# Texas Tech News

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CONTACT: Roe Burnett

LUBBOCK--KTXN-TV, the educational television station of Texas Tech University, has received a \$106,272 Community Service Grant to enhance the production of its community programs.

To meet requirements for the grant, KTXN-TV has to be on the air seven days a week, 52 weeks per year to total 3,000 hours per year on the air. The grant is to be used from Oct. 1, 1977-Sept. 30, 1978.

The Community Service Grant is based on the amount of non-federal income the station receives. The grant can total no more than half of the amount of non-federal income which is provided through Texas Tech University allocations and viewer contributions.

The Community Service Grant to KTXN-TV may be used for salaries, travel expenses, Public Broadcasting Service dues, programming costs and for equipment for the television station, according to John W. Henson, station manager. The grant helps to provide the production work of local affairs coverage and meet the needs of the Lubbock viewing area, he said.

"The grant is an important source of funds. Without it many of the network offerings might not be possible," Henson said. "We might not have the staff for the local programs."

# Texas Tech News

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CONTACT: Roe Burnett

ATTN: Public Service Directors

(Please use this PSA prior to or on Sept. 8. Thanks.)

30 seconds

MAGICIAN GEORGE SANDS WILL PERFORM SEPTEMBER NINTH AT EIGHT P.M., FOR FAMILY NIGHT AT THE TEXAS TECH UNIVERSITY CENTER BALLROOM. AN OPTIONAL DINNER WILL BE SERVED AT SIX-THIRTY P.M. ADULT TICKETS ARE FOUR DOLLARS AND CHILDREN'S TICKETS ARE TWO DOLLARS AND FIFTY CENTS AND MUST BE PURCHASED BY SEPTEMBER EIGHTH. TICKETS FOR THE PERFORMANCE ONLY ARE TWO DOLLARS. FOR MORE INFORMATION CALL THE CULTURAL EVENTS OFFICE AT 742-3611.

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16-8-31-77

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CONTACT: Marcia Lundy

ATTN: Agriculture and Sports Editors

LUBBOCK--Texas Tech University researchers, in cooperation with the Welder Wildlife Foundation and rancher P.H. (Pat) Welder, will sponsor a Sept. 8 field day to report on Gulf Coast area research on beef cattle and wildlife cohabitation, as well as brush control and perennial grasses. The field day will be held at foundation headquarters near Sinton, Texas, and will be open to the public.

The Welder Wildlife Foundation was begun when the founder, Rob Welder, donated 8,000 acres for wildlife and ranch research. Welder's nephew, Pat, provided the use of his ranch, which adjoins the foundation, to Texas Tech in 1970 for use as a field laboratory to apply research principles developed on the foundation land.

Pat Welder's goal is to develop a system to achieve the maximum beef cattle production while at the same time allowing maximum wildlife population, such as white tail deer, turkey and bob white quail. Two Tech graduate students, Paul McCawley and Justin Naderman, are involved in developing this system. McCawley is working with evaluating pasture grasses for that area, and Naderman is involved in handling the deer.

Both students will report on their work at the field day.

The Tech portion of the program will consist of three presentations. One will present the results of research with high-producing perennial grasses, as far as their productivity

-more-



welder foundation field day/add one

and nutritional value. The grasses researched for that area include Kleingrass, coast cross-1 (bermuda) and Bell Rhodes grass.

There will be a discussion of research concerning the size of opening in brush as it affects white tail deer habitats. Tech researchers have been working to determine how much brush can be removed without decreasing the deer population.

A demonstration will be given of a prototype brush shredder-sprayer that has been developed on the Texas Tech campus. Dr. Ronald Sosebee and his students will present related research involving which herbicides are the best to use to prevent resprouting.

Two men instrumental in supervising this work and setting up the student research are Dr. Bill E. Dahl, professor in the Range and Wildlife Managment department, and research associate John Goen.

The Foundation and Texas A & M University researchers will also give presentations during the day.

This will be a one-day seminar and will be held at the foundation, which is about 30 miles north of Corpus Christi. It is open to the public and will begin at 9 a.m. Sept. 8 and end at approximately 4 p.m.

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CONTACT: Jimmy Tate

LUBBOCK--Dr. Cecil Mackey, Texas Tech University president, and Froy Salinas, state representative from Lubbock, were the first participants Wednesday (Aug. 31) in the U.S. Department of Transportation's automobile air bag demonstration program, sponsored by the Texas Tech Division of Continuing Education Traffic Safety Coordination Program.

The air bag system is the most effective protective system for preventing death in automobile accidents, according to Don Hill of the U.S. Department of Transportation.

Passive restraint systems, such as the air bag, will be required on a phase-in schedule beginning with standard size cars in 1982 and intermediate and compact size cars in 1983.

Hill said traffic fatalities averaged about 55,000 a year in the early '70's, but with the Arab oil embargo in 1974 and the setting of 55 miles per hour as the nation's speed limit traffic fatalities declined to about 46,000 deaths a year.

More than half of the traffic accidents each year involve at least one automobile being in a frontal collision, which is what the air bag protects against, Hill said.

Mackey said he was interested in the air bag system because he did some of the original work in the development of traffic legislation for seat belts and collapsible steering wheels.

Hill said the installation of the air bag system could lead to a reduction in insurance rates for automobile owners.

-more-

air bag demonstration/add one

Deployment of the bags in the Texas Tech demonstration took between two and three seconds, more than 50 times slower than deployment in an actual collision.

The demonstration continued until 2 p.m. for Texas Tech students and other observers.

According to traffic statistics, the 16-25 age group has the highest car accident and death rate in the nation.

The U.S. Department of Transportation estimates that 9,000 lives could be saved and thousands of injuries prevented annually by passive restraint systems, once they are installed in all cars.

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18-8-31-77

cutline-----

NEW AUTO SAFETY DEVICE--Dr. Cecil Mackey performs the first demonstration of the automobile air bag safety device at Texas Tech Wednesday. The demonstration was sponsored by the U.S. Department of Transportation and the Texas Tech Division of Continuing Education Traffic Safety Coordination Program.

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18-8-31-77

# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136  
Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: Mark Haller

LUBBOCK--Parents of Texas Tech University students will hear some of the institution's top academic, administrative and sports officials during Dads Weekend, Oct. 14-15.

"We are committed to the greatest Dads Day and weekend in the history of the association," said Larry Williams of Dallas, chairperson of that committee.

Speakers will include Dr. Cecil Mackey, Texas Tech president, Dr. Richard A. Lockwood, vice president of the Tech Health Sciences Centers, and head football coach Steve Sloan.

Events begin Friday, Oct. 14, with a Family Dinner in the University Center Ballroom at 6:00 p.m. Coach Sloan will welcome the guests. The dinner will be followed by the popular "House of Hospitality," also in the University Center. Dads and their families use this occasion to visit informally with representatives from major administrative and academic offices of the university from 7:30-9:30 p.m.

On Saturday all dads and families will be guests of the Dads Association at a registration coffee, 9-11 a.m., Courtyard of the University Center.

Members of the association will meet at 12:15 p.m. for the Dads Membership Luncheon. Dr. Mackey will deliver welcoming remarks and Dr. Lockwood will be luncheon speaker. New members of the Athletic Hall of Honor will be introduced.

-more-

dads day/add one

A luncheon highlight will be announcement of the Spencer A. Wells Faculty Award recipient. The \$1,000 award is given to that faculty member who has made the most valuable contribution to the university and its program during the preceding year.

Funded by the Hemphill-Wells foundation, the award is administered by the Dads Association.

Also taking place at 12 noon is the Mothers Luncheon in the Wall-Gates Cafeteria, and for the first time a second and simultaneous Mothers Luncheon may be scheduled if there is sufficient demand. Details for the second luncheon will be completed when ticket requests justify the additional event. Angel Flight, an auxiliary organization of the Air Force ROTC, will be hostesses.

Originating in the Administration Building parking lot, a two-hour bus tour of the campus will begin at 2 p.m. It will include a visit to the new medical school facilities. Members of Saddle Tramps, campus spirit organization, will be tour hosts.

Special sections of the Jones Stadium have been set aside for dads and their families for the 7:30 p.m. Texas Tech vs. Rice football game. Tickets may be purchased in advanced through the association office. During the week of Oct. 10, tickets may be obtained from the association office on campus.

Charges are \$3.75 for the Family Dinner, \$4.25, Dads Membership Luncheon, \$3.40, Mothers Luncheon, 75¢, bus tours, and \$8 for each football ticket in the special section.

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CONTACT: Worth Wren

ATTN: Public Service Directors

(Immediate release. Kill Oct. 1. Thank you very much.)

30 seconds

ART ADMIRERS CAN REVIEW THE WORKS OF ART TEACHERS THROUGH OCTOBER SECOND IN THE ART BUILDING GALLERY AT TEXAS TECH UNIVERSITY. THE WORKS RUN THE GAMUT OF ARTISTIC ENDEAVOR, INCLUDING PAINTINGS, TEXTILES, GLASS PIECES, PRINTS, SCULPTURE, DRAWINGS, CERAMICS, ENAMELS AND JEWELRY. THIRTY TECH FACULTY MEMBERS WILL HAVE PIECES ON DISPLAY. THE GALLERY IS OPEN FROM ONE TO FIVE P.M., MONDAY THROUGH SATURDAY, AND TWO TO FIVE P.M. ON SUNDAY. EVERYONE IS WELCOME.

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20-9-2-77

# Texas Tech News

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CONTACT: Prabhu Ponkshe

LUBBOCK--An unprecedented number of Texans have been elected to offices of the Kappa Alpha Order, a national social fraternity, for the years 1977-79.

A faculty member at Texas Tech University, a student and an attorney from Fort Worth, Tex., were elected Councilor, National Undergraduate Vice Chairman and Knight Commander.

The fraternity's recent national convention in Houston elected Dr. Idris R. Traylor to the post of Councilor, which is equivalent to that of national vice president; Benjamin Grounds, a student at Texas Tech, and son of Mr. and Mrs. Dudley O. Grounds of Breckenridge, Tex., National Undergraduate Vice Chairman; and Loren Q. Hanson, a Fort Worth attorney and president of the Fort Worth Bar Association, Knight Commander.

"Hanson's appointment as Knight Commander is equivalent to the post of national president," Traylor explained.

Traylor's election was also unusual in that it is the first time in the 112 year-old history of the fraternity that a Councilor has been elected by "acclamation." The Texas Tech history professor and deputy director of the university's International Center for Arid and Semi-Arid land Studies (ICASALS) served as Councilor during 1975-77. His present term will last through '79.

-more-



fraternity/add one

Gamma Chi, the Texas Tech chapter of the fraternity, was given the Ammen Award during the convention for being "one of the most outstanding chapters in the United States." The fraternity has chapters in 114 colleges and universities across the country.

Traylor is faculty sponsor of several student organizations, including Kappa Alpha, on the Texas Tech campus. He is a "Life Time Sponsor" of the Texas Tech Student Association.

He recently published a book, "Brains, Books, and Brotherhood," designed to provide guidelines for developing scholarship programs in fraternities. Traylor has also served as National Scholarship Officer.

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CONTACT: Roe Burnett

LUBBOCK--John Wesley Phillips, who at 89 years of age is probably the oldest freshman in the United States, has completed his first two days of classes at Texas Tech University.

"I enjoy going to Tech and am really happy about it, but I am not settled yet," Phillips said.

Originally Phillips was enrolled in a mathematics and an English course but later switched from the latter to a history course. Phillips has now decided to audit the math class and study his history at home where he will be able to read at his own pace.

"I will study history at home and audit math in order to become adjusted to learning at the school's pace," Phillips said. "I will get as much out of the class by auditing it. I like this auditing route."

The trip to the Texas Tech Book Store was a surprise to him. There were half a dozen cash registers, according to Phillips, but he still had to wait in line for 20 minutes before being checked out.

"The people on the Texas Tech campus have been friendly," Phillips said. "My math teacher and other students in the class have been nice. We are not supposed to talk to each other in class, but when we were dismissed, one girl stayed to talk to me."

-more-

phillips / add one

Press interviews have been lots of fun, according to Phillips. He proudly shows clippings that have been sent to him by his friends, along with letters of commendation, certificates and a plaque he has received.

"A woman in the elevator recognized me from seeing me on the Texas Tech campus and people on the sidewalk talk to me like they have known me. One of the reasons may be because I wear a hat and people can see me from a block away."

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22-9-2-77

# TexasTech News

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CONTACT: Nita Gilger

LUBBOCK--Marriages are breaking up at an alarming rate in the United States today. The principle reason for marriage failures is lack of adequate communication, according to Texas Tech University family relations professor Greg Brock.

The professor will teach a course on marital enhancement to help persons develop needed communication skills beginning the first week in October. The course is unique in that it is the first marital enhancement course ever offered in the United States to the segment of the population where both mates are not willing or cannot attend the sessions.

Fifty persons already have enrolled in the course which will be offered several nights a week. Participants can get three unit hours of credit from the university for attending all the sessions for a 10-week period. Each weekly session lasts two hours.

The first five weeks of the course will include teaching one mate communication skills in self-disclosure and speaking, and listening. The second five weeks will consist of five projects which participants will take home to do with their spouses.

Brock said most of the people who take this course want to enhance their marriages.

-more-

marriage enhancement/add one

"Communication is something people have to learn," Brock said. "That's why I think teaching communication skills is so important."

Brock said many people have grown up with the idea that all problems will be solved once one enters the bliss of marriage. "Marriage is something a person really needs to work at to maintain a satisfying relationship," Brock commented.

"I am dedicated to the program because marriage enhancement counseling has helped my own marriage," he said.

Brock has a master's degree in human development and family studies from Pennsylvania State University. He is a clinical member of the American Association of Marriage and Family Counselors and has a private practice in marriage and family counseling in Lubbock.

More information on the marriage enhancement course can be obtained by calling Greg Brock at 742-3000 or 797-4689.