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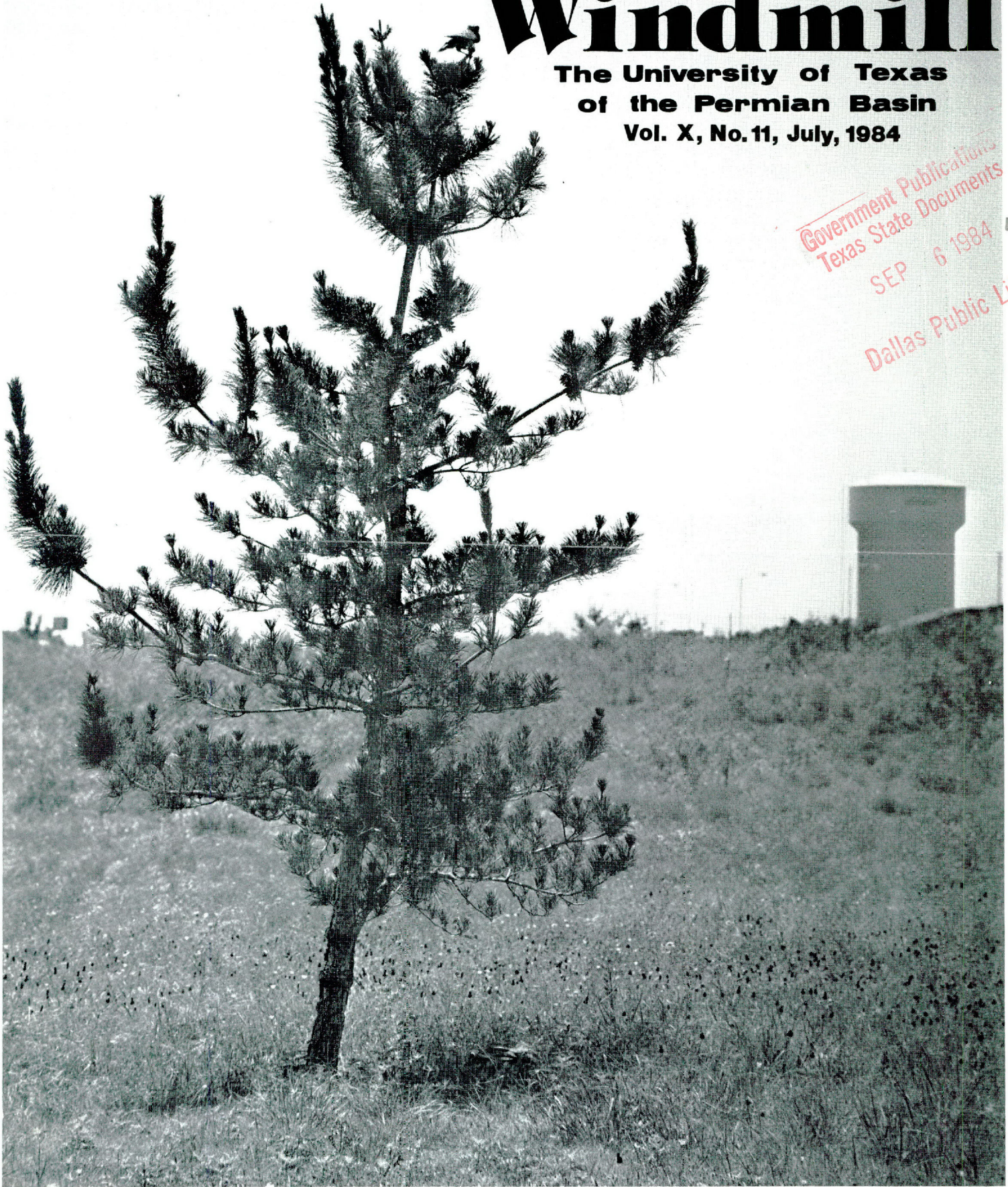
# The Windmill

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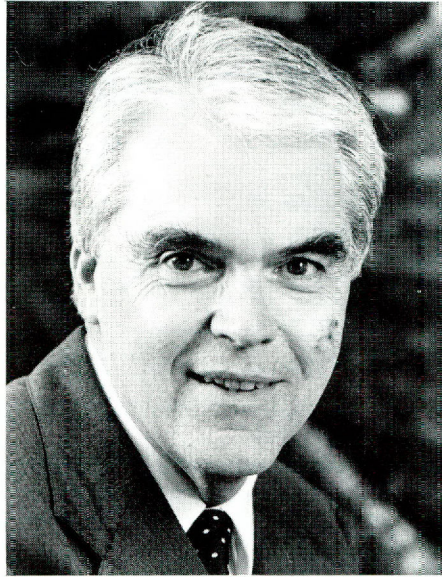
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# Mark Appointed Chancellor

Dr. Hans Mark, Deputy Administrator of the National Aeronautics and Space Administration (NASA) and former Secretary of the Air Force, will take the helm of the University of Texas System September 1. The 54 year old nuclear physicist accepted the chancellorship of the U.T. System May 30.

Dr. Mark brings to the Office of Chancellor a broad background in administration and academe, and expressed optimism about the future of the system. In remarks following his appointment by the Board of Regents, Dr. Mark said, "I am convinced that there is a clear potential that The University of Texas System can become the best public university in the country during the coming decade." He then listed those characteristics which make a university great. "First," he said, "It must pass on the wealth of human knowledge in all its complexity, one generation to the next." Great universities must also, Mark said, "lead in the creation of new knowledge and insights in the arts and sciences." He placed special importance on the third ingredient of greatness in a university system: "A university must seek to find ways of enhancing the welfare and culture of



the community that supports it."

Dr. Mark was born in Mannheim, Germany, and came to America when he was eleven years old. He attended public schools in New York City, and gained his A.B. in physics at the University of California at Berkley. He was awarded a Ph.D. in physics at Massachusetts Institute of Technology in 1954.

It was during his service to the Air Force and to NASA that Dr. Mark was first introduced to the U.T. System. His frequent trips to the Johnson

Space Center in Houston made him "... aware of the many activities of The University of Texas and of its place among the great educational institutions in this country."

Dr. Mark will succeed Chancellor E. Don Walker, who announced his resignation in March. Chancellor Walker has been the chief executive officer of the U.T. System since 1978, and becomes Executive Director of the Hermann Hospital Estate in Houston.

Dr. Mark has been in his present position since 1981. From 1977 to 1979, he was Undersecretary of the U.S. Air Force. He was named Secretary of the Air Force by President Jimmy Carter in 1979, a position he held until 1981 when President Ronald Reagan appointed him as Deputy Administrator of NASA. It should be noted that NASA is considered to be one of the most highly regarded and well managed agencies in the Federal Government.

Dr. Mark married Marion G. Thorpe in 1951. She holds a Ph.D. in Education and is an 8th grade teacher in the Washington, D.C. public school system. The couple's daughter teaches in the Los Angeles public school system, and their son is enrolled in the UCLA Medical School.

## Regents Adopt Role And Scope

Role and Scope statements for all University of Texas System degree - granting component institutions have been adopted by the Board of Regents.

There are 14 general academic and health institutions within the system, engaged in teaching, research, public service, and patient care.

The role and scope statements indicate that all major discipline categories except agriculture are represented within the system at each level at which degrees are commonly offered.

Following is the statement of U.T. Permian Basin's role and

scope:

"It is a general purpose, upper level academic institution engaged in teaching, research and public service in the arts and sciences and seven of the professional discipline categories. No disciplines are included within the role and scope of the institution at the doctoral level. While the University draws some students from beyond the Permian Basin, over 85 percent are from Midland, Ector, and surrounding counties, a region with about 300,000 people. The current enrollment is approximately 2,000 students of whom approximately 500 are in graduate and

post-baccalaureate programs. The University reported to the Coordinating Board \$86,325 in sponsored research funding for Fiscal Year 1982.

"The role and scope expansion beyond the areas in which courses or programs are currently offered include computer/information sciences at the master's level, master's level programs in the arts and sciences core, and baccalaureate programs in the technologies. This expansion is expected to permit the institution to meet developing regional needs, including those of the petroleum industry."

# Money Management

Those persons we call "professionals" are among the busiest and highest paid members of the American workforce. Because they've invested more in their education, because they perform at levels most people never achieve, they're paid more. And that is a reason, according to T.U. Permian Basin Professor Tom Schaefer, professionals need to learn more about handling their business and personal finance.

"With their greater income, professionals, including physicians, lawyers, engineers, and architects, need greater knowledge about such things as tax shelters, growth investments, stocks--what to do with their money," Schaefer said. So Schaefer and some of his colleagues at the university have organized a two-day seminar this summer titled, "Practical Financial Management for Professional Offices." Dr. Nathan Jones, Superintendent of the

Professional Medical Management Academy (PMMA) in Arlington will lead the seminar.

"This is a hands-on, how-to approach to the everyday financial management and financial control programs of the professional organization," Schaefer said, adding that a broad number of topics will be covered in the two-day concentrated study. "We'll give practical instruction on ways to negotiate with banks, how to use collateral, develop a corporate or personal budget, how to get investment tax credits," he said. Other topics of discussion during the Professional Office Management Seminar will include financial planning programs, employee earnings records, perpetual inventory systems, break-even analysis, and more.

Tuition for the seminar is tax deductible, including registration fees, meals, and any lodging undertaken to maintain and improve professional

skills.

"While many of the participants in the seminar will be doctors, dentists, or other professionals, we expect a number of persons who are employed as professional office managers," Schaefer said. "In many cases, it is the office manager who handles the professional's money."

The Practical Financial Management Seminar for Professional Offices is sponsored jointly by U.T. Permian Basin and the Professional Management Academy, in cooperation with the Center for Professional and Executive Development of the university's College of Business Administration. Dates for the seminar are July 18 and 19, from 9 a.m. to 4:30 p.m. It will be held in the U.T. Permian Basin Devonian Room. Registration information may be had by calling 367-2156 or 367-2166.

## THE WINDMILL

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*COVER: There's more than meets the eye on this month's cover--in addition to the tree and a variety of plains grasses, you may have seen a Burrowing Owl and a Jackrabbit, two of a large variety of desert wildlife that inhabit the U.T. Permian Basin campus. Photo Ron Turner.*

## Historic House

The first permanent home to have been built in the city of Odessa will be opened as a museum of the city's history. The White/Pool house, located at 112 East Murphy St., was restored to its original condition during several years of work by the Ector County Historical Society. Many members of the U. T. Permian Basin faculty and student body belong to the society, and have helped in the rebuilding.

Opening ceremonies and a dedication will take place on Saturday, July 28, beginning at 2:00 p.m. Activities planned for the afternoon include formal dedication of an historic marker, guided tours of the old two-story house, and a 6:00 p.m. barbecue.

Among those taking part in the opening festivities will be U. T. Permian Basin's History 474 class, whose study is historic preservation. Prof. J. Tillapaugh, history, is president of the Permian Historical Society, and was also active in the restoration of the historic site.

A photographic exhibit by Odessa photographer Bob Johnson will be on display in the Student Lounge at U.T. Permian Basin throughout the month of July. Johnson is chief photographer and assistant news director at KWTX-TV.

Johnson is a self-trained photographer, who said he has been taking pictures for over 15 years and is experienced in portraiture, commercial, aerial, cinematography, and videography. He said his pictures have been published in America, Canada, and Mexico, including such periodicals as **Sports Illustrated** and **The Village Voice**.

U.T. Permian Basin has recently hired new employees to fill vacancies left in several departments this summer. The university welcomes Melvin Williw Watkins, Store Clerk, Warehouse; Patricia Cole, Data Entry Operator, Computer Services; Arthur P. Vasquez, Mechanic Helper, Mechanic Shop; Jose F. Collaza, Guard, University Police; Cynthia (Cyndi) C. Wagnon, Accounting Clerk I, and Janice K. Dane, Cashier I, both in the Accounting Department.

# Stress Research: Ulcers Without Anxiety

Research conducted by two U.T. Permian Basin psychologists has turned up information which may be a breakthrough in coping with life in modern America. The research was part of an on-going examination of stress and its symptoms, and the particular malady investigated by Drs. Joel Greenspoon and James Olson was the common ulcer.

Presenting the results of their research before the National Society of Behavioral Analysis (NSBA), Greenspoon and Olson repudiated the commonly held belief among the medical profession that major stress in day-to-day living is the primary cause of ulcers. Rather, according to Olson, an ulcer may be the result of small, almost unnoticeable happenings in our daily lives.

"Many people attribute the symptoms of stress to traumatic events, to very serious circumstances going on in either the family or at work, but, when it comes right down to it, many of the symptoms of stress are produced by vague and unclear situations," Olson said. "What we're trying to do is demonstrate that frequently, symptoms of stress can be triggered by often very subtle environmental circumstances, which, in the proper sequence, can produce symptoms of severe stress."

And what exactly are these symptoms of stress? According to Greenspoon, they show up in practically every illness known to man. "Migraine or tension headaches, high blood pressure, hypertension, hives, rashes, lack of sleep, irritability, bruxism (the grinding of teeth), all sorts of digestive disturbances, respiratory disturbances, can all be attributed to stress and there are many more," he said.

But the subject of the investigation for which the two researchers were presented an award of excellence in research during a recent national meeting of the NSBA is the most



familiar result of stress, the ulcer. And the question to be answered, according to the two psychologists, was, "Why does stress attack the cardiovascular system in some individuals?" It is a commonly held belief that anxiety and stress will have their effect on the weakest system in the body. "Previous research," said Olson, "has only made vague reference to how anxiety may happen to select the stomach as its target, or in another case, the heart." It seems clear that the problem at hand was to measure, in some way, the weakest link in an individual's system, and therefore come to a conclusion about which system may first be attacked by stress. The research conducted by Olson and Greenspoon became an examination of indirect causes of stress symptoms.

"We initiated our research on the premise that the pairing of an innocuous environmental event with the occurrence of a specific and specifiable physiochemical response could result in the environmental event acquiring control over the physiochemical response," Greenspoon said. If that all sounds a little like brainwashing techniques, you're close.

To prove their premise, Drs. Olson and Greenspoon began work with thirty laboratory rats. "Our experiment aired a tone with the secretion of gastric juices," Olson said. "The gastric (or digestive) juices were induced by feeding the rats; everytime we fed them, we sounded the tone." Then later, when the researchers were certain there was no food, nothing in the rats' stomach which could cause the gastric juices to flow, they repeated the tone. "The result was that the digestive juices were produced, but there was no food to be digested," Greenspoon said. It was perhaps the first documented event in which ulcers had been artificially produced without stress.

How, you may be wondering, does all that apply to day-to-day living for humans? According to Greenspoon and Olson, there are some very clear comparisons, and the key to understanding how it can affect 'you' may be in understanding what the two psychologists referred to as "sequencing of events." In other words, examining what happened just before you became tense for no apparent reason.

"For example," said Greenspoon, "our research would suggest that it might be very inadvisable to watch television and eat at the same time." No TV while you eat? Surely he was talking about the news, or horror movies, or serious dramas. Not so. "Not even sitcoms!" admonished Olson. "The watching of TV, repeatedly, while eating, could result in television becoming a trigger, the control mechanism, for your gastric juices to activate, even on an empty stomach." The result: intestinal inflammation and ultimately, the possibility of an ulcer.

"The effect will vary from person to person," Greenspoon pointed out, "but the important point to remember is that, with the proper sequencing of events--with the right trigger--even such non-stress related activities as watching an enjoyable TV show can produce the symptoms of stress--in this case, ulcers.

So what is the prognosis, for those of us who see ourselves as laid-back and relaxed, but who still may experience some of the symptoms of anxiety? "We find," said Olson, "that people tend to be poor observers of others, and even poorer observers of themselves. In our counseling, we try to get people to keep what is in essence a log, or a symptom diary, to determine such things as the time of day and under what circumstances feelings of stress or anxiety are experienced." Look, he said, at the context in which stress arises, and look at what happens afterward. If we observe ourselves sufficiently and are sufficiently trained to pick out some of the more subtle and repetitive aspects of our lives and our environment, we may get symptom reduction by removing some of the stimuli for stress.

The two U.T. Permian Basin researchers believe similar findings will result as they continue their investigation into what could be called non-stress anxiety. They plan to initiate a search into subtle causes of hypertension, and perhaps even stress induced pain, in the near future.

# Tennis Ranking

The U.T. Permian Basin Women's Tennis Team has completed its second season in the National Association of Intercollegiate Athletics (NAIA) with a national ranking of 25th place. Coach Virginia Brown said her team's high rating was due to tremendous effort put forth by team members and to successful recruiting by the university.

"To end the season this high in the ranking against 144 other colleges and universities around the nation, is something our girls can be proud of," Brown said. "They fought hard and earned every point."

Women's tennis is the only intercollegiate sport currently in existence at U.T. Permian Basin. The team is

coached by Brown and assistant coach Sandy Collins, a nationally ranked competitor herself.

The NAIA rankings were established in 1969 by the organization's Sports Information Directors Association and is a measurement of the success of an institution's total athletic program, calculated according to the accumulation of points in post-season competition on the district, area, and national levels. Top place in the women's division went to the University of Wisconsin at Milwaukee, and in the men's division Saginaw Valley State University in Michigan took highest honors. Other Texas institutions which made the top 50 list include Texas Wesleyan, Tarleton State, Prairie View A&M, Wayland Baptist, Southwestern, Texas Southern, Texas Lutheran, and Midwestern State.

Brown and Collins are currently on a recruiting tour which will take them to the West Coast and the Olympic Games in Los Angeles.



# Educating Educators: UT Permian Basin

Teachers from practically every public school system in the Permian Basin took part in a special laboratory demonstration program at U.T. Permian Basin this summer. The course was designed, according to Professor Ernest O'Neil, to more fully meet the needs of practicing educators in the region.

The unique study session, which lasted from May 30 through July 10, gave teachers practical experience in innovative instruction techniques. Two-hundred children from the Odessa area served as the subject of the intense course. The youngsters ranged from kindergarten through grade six, and were selected to represent racial and ethnic profiles of the Permian Basin.

"Our thrust was on language arts, math, and social studies," O'Neil, Chairman of U.T. Permian Basin's Department of Education said.

"Teachers, administrators, supervisors, counselors, professors, and community volunteers had the chance to work and learn together with the children to test and improve the many facets of teaching and learning."

O'Neil pointed to three areas of concentration in the Laboratory Demonstration Center's summer session. "In small groups, we focused on the history, culture, arts, and crafts of the Southwest Hopi Indians," he said. "Teachers and students were encouraged to investigate and experiment with observation skills, metric measurement, transformations, using physical objects, numeric systems, and fundamental operations." Finally, said O'Neil, students were to "explore and extend their boundaries through literature, creative drama, and related activities."

Among the 200 youngsters who were the focus of the summer study program, there were some who would, because of the additional learning experience, be able to catch up in areas where they may have fallen behind in their regular schoolwork. "Others," O'Neil said, "would be ahead of their classmates when they return to school this fall." He added that every student who took part in the experiment would have learned things beneficial to his or her future education.

U.T. Permian Basin is now planning to continue the summer Laboratory Demonstration Center next year. Public school teachers who want to explore new teaching skills, advance their education, or just earn additional credits toward a degree, can normally only undertake university level studies during the summer months.



*Dr. Ernest O'Neil, chairman of Education, sits in on a class session with Karen Meyer, who will teach in Big Spring this fall.*



*Wanda Lyon, Hood Jr. High School in Odessa, teaches art.*



*Sharon Frost, left, and Cindy Smith teach in the Midland School District.*

## Art Institute Grant

A \$25 thousand grant from the Meadows Foundation of Dallas has been announced by the Art Institute For the Permian Basin. The funds will be used, according to Art Institute President Joann Lambert, for creation of a sculpture garden.

Groundbreaking ceremonies earlier this year were held at the site of the facility, which will be built on the southeast corner of the U. T. Permian Basin Campus. Actual construction will begin later this year.

The Meadows Foundation was created by Algur H. Meadows in 1948. Meadows, who was born in Georgia but lived in Texas most of his life, built General American Oil Company of Texas into one of the country's largest independent oil and gas production companies. He was dedicated to the free enterprise system, and wanted his wealth to be shared beyond his own life. The foundation gives funds to numerous organizations, including those in the areas of health, education, social service, civic and cultural programs, and the arts.

The Art Museum For the Permian Basin is financed solely from private contributions and from a yearly fundraising art sale, The Fiesta Del Arte. Gifts donated so far have ranged from the few dollars from individuals, to a grant of \$400 thousand from the Houston Endowment.

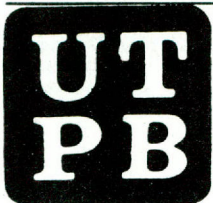
*Panzie Biggs, a teacher at Tatum Elementary in Monahans, drove 100 miles daily for the Laboratory Demonstration Center. "I've wanted to be a teacher since I was seven or eight years old . . ."*



*Linda Valderaz teaches sixth grade English and Reading at Andrews Middle School*



So anyway, there was this real cute coed out sitting by the high dive at the pool, and all these guys started coming up to the high dive, and...aw, you know how it goes...



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