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Texas Tech Ex-Students Association / February 1978



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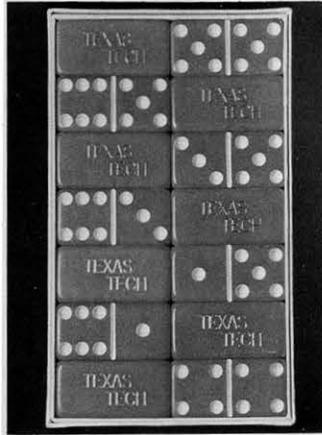
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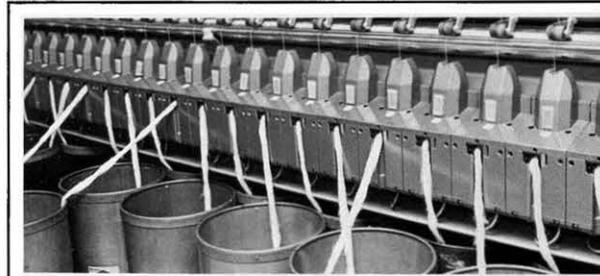
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More than 16 inches of snow fell on the Texas Tech campus this winter and all classes were dismissed on February 17 because of the heavy snow. The University Center (Student Union Building) is shown on this month's cover. Debbie Elkins was the photographer.

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The Ex-Students Association is an independent organization of Texas Tech University ex-students, cooperating with and working in behalf of the institution, but not affiliated with it. **The Texas Techsan** is the official publication of the Association.

Second-class postage paid by **The Texas Techsan** at Lubbock, Texas. Published in February, April, June, August, October and December by the Ex-Students Association of Texas Tech University, P.O. Box 4009, Lubbock, Texas 79409. Subscription rate is \$10 per year. Change of address should be sent to the Association offices 30 days prior to date of issue with which it is to take effect. Advertising rates on request. All advertising is handled through the Association office. Copyright 1977, Texas Tech Ex-Students Association.

Many Challenges Face Engineering in the Future

The College of Engineering at Texas Tech University is constantly being challenged to produce top quality engineers, well-versed in their respective technologies; however, in the very near future, technological studies will not suffice.

As society and its problems become more and more complex, the engineer of the future will find that just being a skilled technologist is not enough. He must be aware also of the social and economic impact of technological change. If he builds a dam, he must understand the environmental impact on the land, and the economic and societal impact of resettling whole communities, as well as the mechanics of dam construction.

Engineering education, if it is to equip students to solve the problems of the real world, must embrace both planning and technological considerations; it must prepare future engineers for entry into a variety of new engineering-oriented pursuits, as well as the traditional specialties.

At the same time that engineering schools are faced with the need to diversify their programs, they are being subjected to great pressures from government and industry.

Legislative actions by the federal government for greater ethnic and minority mix in student populations are forcing engineering schools to modify entry level requirements. Simultaneously, they are plagued by the problem of having no engineering advocate or authority in high schools, while still having a college entry level curriculum which requires careful high school scheduling and counseling as early as the ninth grade. As a result, a substantial number of students enter engineering requiring remedial work in algebra and trigonometry, as well as basic English.

One solution to this problem would be to expand the undergraduate program from four to five years, with the first year being composed of the basic education the students did not receive in high school. However, this is in direct opposition to the trend of reducing hour requirements to make engineering programs compatible with the 120-hour requirements for science and liberal arts degrees. There is also a movement towards increasing mathematics, design, science, humanities, and social science requirements while eliminating skill

courses such as rhetoric and composition, engineering graphics, shop courses, accounting, report writing and basic foreign language. The result is that many areas are covered superficially and few are studied in depth.

A realistic answer to meeting adequate educational requirements for engineers is to modify the length of the degree program and make it more sensitive to the needs of the practicing engineer. One method by which this could be accomplished is through the establishment of professional schools of engineering, similar to those for medicine, law, veterinary medicine and the ministry.

Professional schools, as proposed by the National Society of Professional Engineers, would make the distinctions in the abilities, duties and responsibilities of professional engineers, engineering technologists and engineering technicians.

Under the professional school concept, engineering as it has been known in the past will probably adopt the label of engineering technology. Engineering technologists will combine lower level engineering skills and routine decision making. Professional engineers will be highly developed specialists who can envision the future on a grand scale and can cope with people and organizations as well as the laws of nature.

Another problem schools of engineering will continue to face is the necessity of competing with private industry for talented faculty. This means they must be able to offer competitive salaries, reasonable tenure and promotional opportunities.

The faculty, in turn, must become more involved in professional activities, through working or consulting in industry or government agencies, and make themselves familiar with the relationship between their fields of expertise and the wider social context of its applications. They must use their professional experiences as material for potential instruction, in order to give their students a wider view of the real problems in engineering.

In many respects, the engineering profession is at a crossroads. The engineer should play a substantial role in society's decision-making process, but his basic orientations, beginning with his academic program and extending into his engineering practice, does not equip him to assume a major role in

policy making. This is the challenge engineering education faces, to equip the engineer to operate not only on the technical level, but to work with societal and economic concerns in mind as well.

While the College of Engineering at Texas Tech is working to equip its students to solve the problems of the real world, three special research centers on the campus are utilizing the talents of faculty, staff and graduate students to find answers to many of the complex problems society faces in the areas of raw material utilization, water resources, and energy. Funded by state, federal and private sources, the Textile Research Center, Water Resources Center and Center for Energy Research are dedicated to research with the most practical of applications.

The Texas Tech University Textile Research Center (TRC) was founded on the premise that research is of its greatest value when the results have practical applications. It is with this credo in mind that the Center conducts a variety of studies designed to bring about greater utilization of the cotton, wool and mohair produced in Texas. The purpose of the research conducted at TRC is to supply fiber producers and textile manufacturers with previously unavailable data that will lead to better raw materials or new ways of processing.

One reason why the many programs at the Textile Research Center have been so widely accepted is that very little of the research has ever been done before, and those few programs involving previous study are for confirmation of earlier findings. The programs involve utilizing new fibers, evaluating

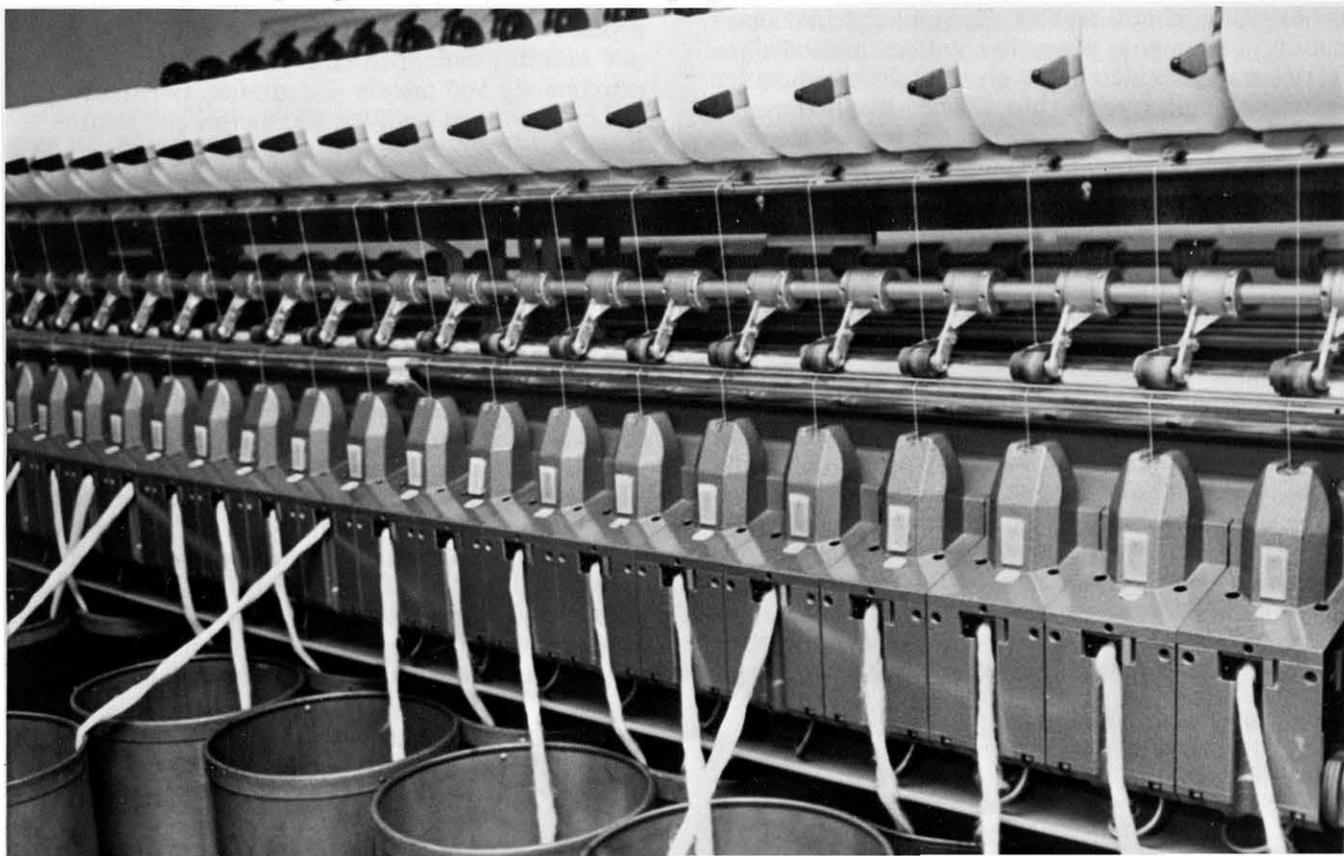
new spinning processes, placing new yarns in standard fabrics, applying new dyes to fabrics and investigating new finishes for a specific end use.

The Center is divided into eight departments. They are the Textile Material Measurements Laboratory, Mechanical Processing, Woven Fabric Development, Knitting Research, Open-End Spinning, Animal Fiber Research, Chemical Processing and Finishing, and Exploratory Research.

At the Textile Material Measurements Laboratory, measurements are made on yarns, as well as knitted and woven fabrics. Fiber testing is conducted to determine maturity, fineness, strength and length. Yarns are measured for evenness, strength, elongation and size. Fabric tests include tensile and tearing strengths, thickness, construction, and abrasion resistance. Measurements of these materials develop data for TRC's internal operations and for outside firms. Each year, between October and May, thousands of cotton samples are received from farmers, seed breeders and merchandising organizations for testing at the Center. The test results are used to improve cotton quality and production, and to help marketing firms sell to textile companies.

Work in the Mechanical Processing Department involves converting textile fibers into yarns. After this, the yarns are either shipped to the organization sponsoring the work or are retained at TRC for knitting and weaving. The Animal Fiber Research Department takes Texas wool and mohair and converts these fibers into yarns which are subsequently used in fabrics. Chemical Processing

Open-end spinning is a relatively new process which produces yarn directly from sliver. It eliminates the need for roving and produces yarn four times more rapidly than conventional spinning.





After spinning, yarns are interwoven at a loom to produce a fabric. A dobby loom produces fancy fabrics for suitings, upholstery, dress goods and shirtings.

and Finishing is the department that bleaches, dyes and finishes textile materials. Much work is done in the laboratory on the utilization of dyes in new processes and on finding finishes that will give new uses for fabrics.

Open-End Spinning research has been under way at the Textile Research Center since 1973. Results coming from this research have been instrumental in bringing about greater consumption of Texas cotton. For many years the cotton produced in Texas was considered too short and immature for spinning quality yarns, but TRC research revealed that the cotton previously rejected was of the best possible quality for open-end spinning. Although open-end yarns are found generally in the coarser sizes, staple length is relatively unimportant and low micronaire is a definite asset. TRC has been working to evaluate all qualities of cotton and determine the best yarns and fabrics to be manufactured from these. The Center takes pride in being the top research organization in the world for investigation of the relationship between cotton fiber and open-end yarn quality. Textile companies frequently contact TRC for information on using Texas cotton in open-end spinning.

In addition, The Textile Research Center is one of three institutes in the world, and the only one in the United States, conducting twistless yarn research. Twistless yarn research studies the production of medium and fine yarns without inserting twist. Both ring spun and open-end yarns rely on a

twisting mechanism to bind the fibers together. Twistless yarn is formed by applying an adhesive that holds the fibers in a parallel position rather than twisting them together. The adhesive dries immediately, and the result is a continuous strand (ribbon) of yarn of a pre-determined size.

Twistless yarn has several advantages. The first is the rate of production. While ring spun yarns are produced at an average speed of about 20 meters per minute, and open-end yarns are spun at approximately 100 meters per minute, twistless yarns can be produced easily at 400 meters per minute.

The second, and greatest, advantage is that the absence of twist gives very desirable fabric appearance. Yarns that are twisted give a spiral effect to circular knitted fabrics. The required twist in the yarns creates a force that causes knitted fabrics to have a distorted shape. Not only does this cause problems in cutting and sewing, it gives poor appearance in certain garments. The twistless yarn knits beautifully and results in a spiral-free fabric.

One of the more important undertakings at the Textile Research Center is the evaluation of spinning wool on the cotton system of yarn manufacturing. Wool, which is normally 2½ to 4 inches in length, is usually processed on either the woolen or worsted system. Both systems are designed for processing wool, mohair and long staple man-made fiber in their natural lengths. Cotton ranges in length from 7/8 inch up to 1¼ inches and is spun

on a system that handles fibers up to 1½ inches, called the cotton system.

Recent statistics show that 96 percent of all yarn spun (by weight) in the United States is produced on the cotton system. This means that only four percent is produced on a system for longer fibers. One of the reasons wool consumption has decreased in recent years is because most textile manufacturers use the cotton system, which excludes any fiber over 1½ inches long. Worsted machinery for processing wool and other long fibers is quite expensive and few companies are willing to spend several million dollars for it.

The research at TRC is aimed at changing the length of the wool fibers to fit the spinning system in use. The wool must be shortened to 1½ inches or less, and this is accomplished by cutting or breaking the fiber. Once wool is a length that can be processed on the cotton system, it is then suitable for any spinner. As a result of this research, several yarn producers are already using various percentages of wool, blended with cotton, polyester and acrylics.

In addition to the spinning research, standard and new fabrics made from wool spun on the cotton system are being produced and evaluated. Worsted yarns give a product with distinctive characteristics, and before new fabrics will be accepted by consumers, the yarns in them must be similar to those in fabrics already popular. For example, an expensive worsted suit performs on a high standard that is easily recognized and readily accepted. If wool yarns are spun on the cotton system but do not perform in suiting as the worsted yarns do, then the material would not be acceptable, either in fabric or apparel form. The research at TRC is designed to determine whether wool yarns produced on the cotton system can make fabrics similar to those coming from a less-used and more expensive system.

This description of research at the Textile Research Center is intended to illustrate the type of programs underway and how these benefit fiber producers, textile manufacturers and consumers. Industry has not yet begun production of twistless yarns and, although some companies utilize open-end spinning machines, the data generated by TRC greatly exceeds the normal knowledge possessed by a spinner. The Textile Research Center has frequent inquiries from all over the world about the relationship between fiber properties and yarn qualities and, in many cases, TRC investigations have shown that Texas cotton, wool and mohair can be used in processes and products not realized by industry.

While researchers at the Textile Research Center are working to utilize Texas fiber products, researchers in the Water Resources Center are working with another valuable Texas resource which is in great demand—water.

The Texas Tech University Water Resources Center was established in 1965 to facilitate and stimulate the development of broad-based interdisciplinary programs in water resources, education, and research, and to coordinate water resources research and related activity on the campus.

Based in the College of Engineering, the research program of the Center has been directed toward the solution of problems peculiar to the West Texas area and to arid and semi-arid lands in general. Thus, emphasis has been placed on studies related to groundwater, water conservation, water reuse, playa lake water, the control of water pollution by cattle feedlot operations, and similar problems. It is anticipated that for the foreseeable future, emphasis will continue to be placed on these areas of research.

Because of its interdisciplinary nature the Water Resources Center is able to utilize not only offices, laboratories, and equipment in the Department of Civil Engineering, but also the facilities of other departments at Texas Tech University which are, in cooperation with the Center, engaged in and consequently equipped for water-oriented research. As a result, the Water Resources Center has at its disposal facilities necessary to conduct highly specialized, sophisticated, technical research. Included are a wide selection of analytical instruments, a mobile water pollution laboratory, land for establishing agricultural plots, experimental feedlots, etc., and computer facilities.

From 1965 to 1977 the Water Resources Center attracted in excess of one million dollars in research funds to the University. This amount was approximately double the state funds appropriated to the Center during that same period. Research projects were supported by the Environmental Protection Agency, the Office of Water Research and Technology, the Corps of Engineers, the National Science Foundation, the Department of Defense, the Texas Water Development Board, the Texas Water Quality Board and various industries and private businesses. The research was conducted with the cooperation of fourteen academic departments of the University, with the High Plains Underground Water Conservation District No. 1, with The University of Texas and Texas A&M University, and with the Texas System of Natural Laboratories. In addition, the Center had supported basic research in twenty academic departments of the University prior to 1977.

That the research conducted by the Center is of a useful and applicable nature is easily documented. For example, the cattle feedlot pollution control research that was conducted by the Center served as the basis for the feedlot pollution control guidelines eventually adopted by the Environmental Protection Agency. These guidelines have essentially eliminated feedlots as a major source of water pollution. Under contract to the Corps of

Engineers, the Center conducted one of the first environmental impact studies in the nation. The resultant environmental impact statement, prepared and written without the aid of established methodology, has served as a guideline for the preparation of numerous, subsequent statements, and many of the procedures used to conduct the study have become standard practice. Another example of the usefulness of the research is very apparent to many Lubbock citizens. The Center, in close cooperation with the City of Lubbock, studied the feasibility of again reusing the city's treated and reused municipal sewage effluent as a source of supply for the then proposed Canyon Lakes System. Today, due in part to the research efforts of the Center, the Canyon Lakes are an aesthetically pleasing reality which provide much needed and appreciated water-based recreation for people of this area.

In 1977, the state legislature, recognizing that the State of Texas has no more serious problem than the declining supply of water in West Texas, increased the appropriation to the Center. While the major emphases of the Center remain unchanged, it is anticipated that the increased appropriation will lead to a stronger base of education and research in water resources which will be needed to supply the manpower and solutions to the complex problems posed by the maximum utilization of limited water supplies.

In its first year of operation since receiving the increased appropriation, the Center is supporting fourteen research projects within eight academic departments representing the Colleges of Agricultural Sciences, Arts and Sciences and Engineering. Concentrating in the areas of water conservation and reuse, the projects range from the development of new plant genotypes which are more resistant to water stress to studies aimed at improving the efficiency of the existing irrigation wells and to improving the quality of domestic water used by many High Plains residents. Because well over 90 percent of all water used for all purposes on the Texas High Plains is used for irrigation of agricultural crops, it therefore follows that the greatest potential of water conservation in the High Plains is in the use of irrigation water, and thus, most of the research centers around this area. It is important to note that major breakthroughs are not necessarily required to make this type of research profitable. For example, water currently has a value of about \$50 to \$60 per acre-foot at the ground surface for irrigation in West Texas. Since approximately six million acres of land are irrigated, research findings that resulted in an average savings of one-quarter of an inch of water per year on all irrigated land in the High Plains would save, each year thereafter, one hundred and twenty-five thousand acre-feet of water with a total value of six or seven million dollars.

Although meaningful research has been conducted into many areas concerning water resources over the past years, and in many instances successful results have been obtained, the continuing decline of our groundwater coupled with increased energy costs have made it necessary to further refine many of the practices which as a result of past research have become standard practice. As new and continuing water problems become identified, the Water Resources Center will endeavor to study and solve these problems, and it may be confidently anticipated that the money invested by the State of Texas in research in water resources will be returned many times to the State with greater efficiency in the use of our available water.

Greater efficiency is also a concern in energy usage, particularly since oil and gas reserves are rapidly being depleted. However, conservation of these resources is not enough, and alternate energy sources must now be developed.

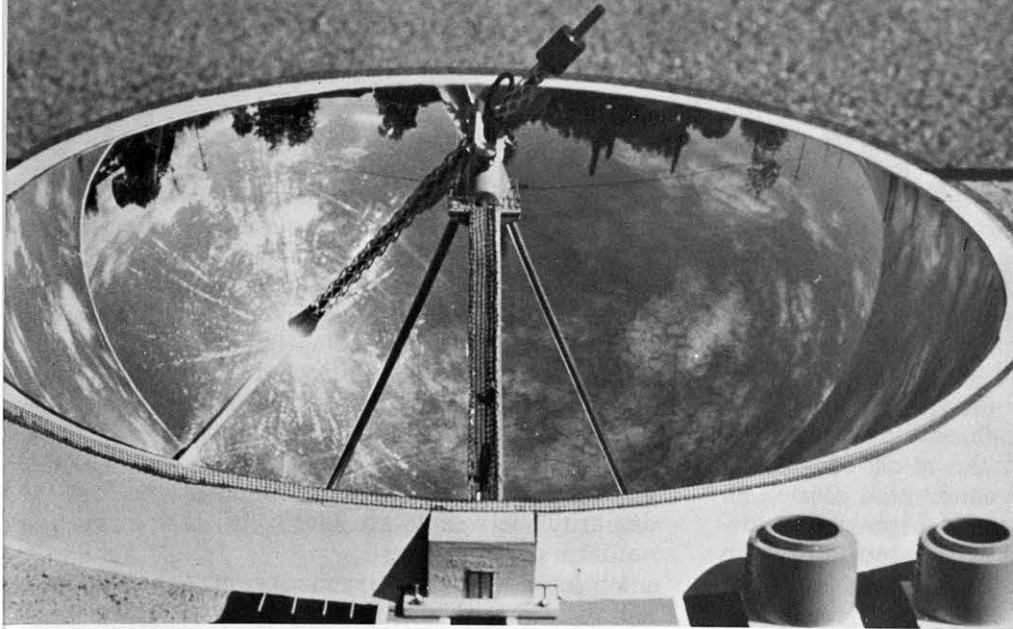
The Center for Energy Research (CER) at Texas Tech University was created in September 1977 to stimulate and develop research for alternate sources of energy, including solar, wind and biomass (the extraction of energy fuels from agricultural and municipal wastes).

Established independent from any one academic discipline, the Center currently funds projects involving researchers from the departments of economics, chemical engineering, mechanical engineering, electrical engineering, agricultural economics, education, chemistry, systems, industrial engineering, political science, architecture, engineering technology and the School of Law.

CER research activities are aimed at agricultural applications, production of electricity, transportation, housing and public education, and many of the projects receive additional funds from public and private agencies.

One of the most widely publicized programs is the Crosbyton Solar Energy Project. Initiated 18 months ago, the project has cost \$1.4 million in federal funds and is one of the largest solar energy research undertakings in the nation. The purpose of the project is to utilize solar power to generate electricity for the town of Crosbyton, 38 miles east of Lubbock. If the project continues as planned, it could eventually cost as much as \$22 million in government funds for the construction of a solar energy plant.

Tech received the go-ahead for Segment II of the project from the U.S. government in February. Segment II, estimated to cost over \$2 million, includes the construction of a 65-foot mirrored solar dish, possibly on the Tech campus. Construction on the dish is expected to begin this summer, and if it proves able to withstand the harsh West Texas weather, five much larger dishes, 200 feet across, will eventually be built in Crosbyton.



The Crosbyton Solar Energy Project will utilize large mirrored solar dishes to collect the sun's rays and power steam turbines by heating water.

The mirrored surface of the bowls will collect the sun's rays and reflect them to the center where water will be heated to produce steam. The steam will drive turbines and produce enough electrical power to irrigate 25 to 30 sections of farmland.

Researchers in the departments of chemical, electrical and mechanical engineering are studying the powering of irrigation pumps by alternate energy sources in three CER projects. These projects seek to help farmers become independent of external fuel supplies for irrigation if external fuels become too costly or unavailable.

The first project is developing the technology necessary to power a jet eductor pumping system by means of a non-tracking solar collector. The second project is designed to utilize a wind turbine system to power a low-lift pump which will be used to lift water out of a reservoir into an irrigation system. And, the third irrigation related project will fuel a small internal combustion irrigation well engine with biomass by means of a producer gas generator. The gas generator, or gasifier, contains several novel features which will enable it to use fibrous materials such as gin trash to fuel irrigation wells.

Another innovative project receiving CER support is a study of earth-covered buildings. This project will develop the technologies necessary to construct underground houses realizing an energy savings of up to one half of conventional housing consumption. A large scale demonstration, including construction of a model home, is planned. Researchers from engineering fields, architecture, and home economics are involved in making underground living as attractive and comfortable as living on the surface.

Because of a renewed interest in this country for utilizing coal as a substitute for oil and gas, Tech researchers in the chemical engineering department are developing a process to remove much of the sulfur from coal without chemical reactions or

water requirements. This could be a significant contribution in increasing the use of coal.

Projects within the chemistry department include developing a means for transforming thermal energy generated by a solar collector into chemical energy for storage, and a study of possible carcinogenic by-products issued by thermal biomass conversion processes.

In the area of transportation, CER projects are developing a low-density, energy-conservative mass transit system and studying possible ways to save energy required to transport agricultural products by modifying or eliminating existing federal and state regulations governing rates for their transportation.

Additional projects sponsored by the Center include an analysis of existing legal problems that hamper the use of solar energy devices in residential construction, an evaluation of state energy policy and administration, and an examination of some of the economic dimensions of the energy crisis.

Tech researchers are also studying instrumentation and data acquisition facilities necessary to compile a surface climatology data base appropriate for the design and performance of solar and wind energy systems.

Public education is a major concern of the Center for Energy Research, and a special project funded by the Center is designed to interpret and disseminate information on energy conservation and alternate energy sources to the general public. Programs sponsored by this project will include technical short courses and symposiums, and mass media presentations intended for use in classrooms, for television broadcasting, and for use by civic groups and various organizations.

In both research and education, the College of Engineering at Texas Tech is striving to keep pace with the demands of the future, constantly searching for areas to improve, and always working to be the best at whatever is undertaken.

Parity . . . Parity . . . Parity

Dr. J. Wayland Bennett '48

From all corners of the country in recent months the American farmer has been protesting low farm prices and demonstrating for parity prices for the products he sells. Low grain prices, reduced farm income and high debt-to-income ratios are the principal concerns behind the organized farmer demonstrations and the so-called farmers strike. The grass-roots movement that started in late summer of 1977 became an organized movement in December of 1977 as farmers and farm leaders increased pressure on the government to support prices at 100 percent parity.

The American Agriculture Movement, a loosely-knit band of farmers, has intensified its efforts and pressures on the Department of Agriculture and the Carter Administration to improve the economic plight of American farmers. This pressure has been focused on Washington in recent weeks as thousands of farmers and their wives descended on the nation's capital to tell their story and explain the current farm cost/price squeeze to all who would listen.

The farmers are demanding government action that would bring parity for the commodities they sell—an economic yardstick long familiar to those who work the soil and in the United States Department of Agriculture, but a term that does not automatically ring bells for America's consuming public.

EDITOR'S NOTE

In recent months, much attention has been given nationally to people engaged in agriculture and the problems they face in producing and marketing their products.

We have asked Dr. J. Wayland Bennett, a widely known agriculture economist, to prepare an article for this publication on what brought on these problems and what the term "parity" means. We hope Dr. Bennett's article will help clarify the issue among our readers.

Dr. Bennett grew up on a farm near Lorraine. He received his bachelors degree from Texas Tech in 1948. He has been a member of the faculty at Texas Tech since 1948 except for a brief time while he was doing graduate work. He has served as Professor and Head of the Department of Agriculture Economics, Assistant Vice President for Academic Affairs and in his present position of Associate Dean of the College of Agricultural Sciences and Professor of Agriculture Economics. In addition, he is Director of the Bankers Agriculture Credit Conference.

Dr. Bennett is widely known around Tech Exes for his having served as sponsor of numerous campus organizations, presently serving as an active member of numerous professional agriculture organizations in Texas and for having spoken to over 14 Tech Ex-Student Chapters.—WJ

The parity idea, which is essentially an equity concept, was developed by farm leaders in the 1920's. Price indexes compiled at that time by government agencies indicated that farm prices had fallen much more than nonfarm prices following World War I. As public discussions of "farm relief" measures continued in the late 1920's, more and more attention was centered on the disparity between the levels of the farm and nonfarm price indexes.

With widespread acceptance of the idea that the postwar disparity between the farm and nonfarm indexes should be corrected through appropriate government action, it was not surprising that the achievement of parity in farmers' purchasing power was made the goal of the Agricultural Adjustment Act of 1933. The parity goal is stated in the opening paragraph of the Agricultural Adjustment Act of 1933 as follows:

"It is hereby declared to be the policy of Congress (1) To establish and maintain such balance between the production and consumption of agricultural commodities, and such marketing conditions therefore, as will reestablish prices to farmers at a level that will give agricultural commodities a purchasing power with respect to articles farmers buy, equivalent to purchasing power of agricultural commodities in the base period. The base period shall be the pre-war period, August 1909—July 1914."

After World War II, primarily as a result of improved prices and the application of new agricultural technology, increasing criticism of the 1933 parity formula surfaced, because over the years the parity formula had special trouble keeping pace with changes in agricultural production technology and the demand for agricultural products. As a result of changes incorporated in the Agricultural Act of 1948, a new "modernized" formula for determining parity was developed. This formula makes the pattern of parity prices dependent upon the market price relationships of the most recent ten-year period, while still maintaining 1910-14 as the base period for the index of all farm parity prices.

The idea that parity prices are desirable in today's economy assumes that prices paid and received during the base period were balanced in the best interests of farmers and nonfarmers alike. Relying on a reference point that is now more than sixty years old presents some problems of prices paid/prices received relationships,

even if the reference base of 1910-1914 was selected with considerable care. Most obviously, farmers have not continued to purchase exactly the same items during the past sixty-plus years, and the parity calculation has required numerous revisions to try to account for this. In the early years of the parity price relationships, producers bought horses, buggies, sleds, cast iron stoves, walking plows, spike-tooth harrows, horse drawn grain drills, lanterns, kerosene, coal and harnesses. Today they buy pickups, tractors, electricity, natural gas, micro-wave ovens, cake mixes, refrigerators, hybrid seed, insecticides, herbicides, fertilizers and other modern day goods.

Even when purchased items are basically the same today as they were 50 to 60 years ago, the quality of a given product may be different. An automobile bought today is considerably different than one purchased in 1910-14. Some fabrics now used in clothing were not available that long ago. The parity ratio, however, makes no specific adjustment for changes in quality, either increases or decreases in quality.

From the farm production standpoint, the parity formula has also had trouble keeping pace with changes in agricultural technology and the demand for agricultural products. An extreme example occurred with the shift in farming from horsepower to machines. Demand for oats declined with the changeover, as did oat prices. The demand for tractors increased, as did their price.

As previously mentioned, the parity formula was modernized in 1948 and now gives consideration to price relationship between commodities during the most recent 10 years. But even that modification in the parity concept still uses the basic reference point for equality as the half decade before World War I.

To appreciate a little more the significance of this difficulty, remember that parity measures only the purchasing power of an individual unit of any given commodity—a bushel of wheat or corn, a dozen eggs, a pound of beef, a pound of cotton, etc. It does not take into account either the amount of production or the increased production per acre of these commodities.

Since the base period of 1910-14, U. S. farming has used advanced technology to drastically increase its productive capacity. For example, in the base 1910-14 period, an acre of corn produced approximately 26 bushels; today the average yield is in excess of 90 bushels. Wheat production has gone from about 14 bushels per acre to over 30 during the same period. Farm output, as a whole, increased 144 percent between 1910-14 and 1971-75. Demand has also increased, both domestically and for export, but the parity calculation does not account for agriculture's productive capacity.

Farmers are experiencing serious economic conditions and are rallying around the parity concept to bring the escalating farm crisis to the attention of the nation. Prices of wheat and corn are far below record levels of only a few years ago; farm income is down, expenses are still rising and farmers blame much of the current situation on current and past government policies.

In the early 1970's, net farm income was increasing and reached \$29.9 billion in 1973. Total farm production has remained high and has been at or near record levels since 1973. The total value of all agricultural products produced is only about 6 or 7 percent below the 1973 level, but prices paid by farmers for production inputs have risen by almost 25 percent during the intervening interval. This has resulted in a reduction of net farm income of \$29.9 billion in 1973 to an estimated \$20.0 billion in 1977. This is a reduction of about \$9.9 billion in net farm income, a drop of about 33 percent or one-third in just four years.

As a result, the rate of return to equity capital invested in agriculture was only 2.6 percent in 1976, the lowest since 1960. The return on equity capital realized by farmers was 10.2 percent in 1973, 5.5 percent in 1974, 4.4 percent in 1975 and 2.4 percent in 1976. It is estimated to be even lower in 1977 because farmers equity capital increased and net farm income decreased.

Complaints by farmers are understandable based on the current price/cost squeeze. Records indicated that the 1973-75 period were the most profitable years American agriculture ever had. Even during these years, parity at the very peak was about 95 percent. The parity ratio on November 15, 1977 was only 66 percent, the lowest it has been since the depression year of 1934. The farming sector of the national economy is in trouble and farmers have organized to tell the American public and the government about it.

Parity is again the rallying cry of the American farmer. This public forum is being used to let the nonfarm sector of the economy know the size and scope of agriculture and how interdependent the agricultural and the nonagricultural sectors of the economy have become. In 1977, for example, farmers spent \$85.5 billion for production inputs and will spend most of the \$20.0 billion realized as net income for consumer and capital goods. Without profits farmers will not be able to continue this level of expenditures and reduced spending by farmers will be felt throughout the economy.

Farmers have used the parity concept to let the public know the current economic crisis confronting American agriculture. How to achieve parity for agriculture still remains the major policy issue confronting the agricultural sector of the economy and the Congress.

Wayne James Resigns

On March 15, Wayne James will walk out the door of the Ex-Students Association Building and leave behind him 20 years with the Association as of last August and will leave the directorship only 2 weeks before having completed 18 years as the head of the Association.

In a surprise move, Wayne submitted his resignation as Executive Director at a regular meeting of the Association Executive Board on Saturday, February 25 in Dallas. James asked to be relieved of the day by day activities of directing the Association on March 15.

Though Wayne's request was regretfully granted, he will remain with the organization in an advisory position through 1978, according to Arthur Busch, Chairman of the Texas Tech Loyalty Fund Board of Trustees. Busch said the directors asked James to stay with the Association as Executive Vice President through the remainder of the year "because of his vast knowledge of Tech and its workings".

James told the Board that he wanted to broaden his career and pursue other opportunities. He said his decision had been made after considerable thinking about what career goals he wanted to achieve in his life. It is known that James felt the time had come when he should obtain employment where he could establish a retirement program as the Ex-Students Association does not have a retirement program for its staff.

Several years ago James wanted to resign but was talked out of it by Association Officers who asked him to stay until the newly created Texas Tech Ex-Students Association Endowment Trust Fund and Texas Tech Specialties, Inc., were "off and running".

James joined the Association in August 1957 as field secretary, only two months after his graduation from Tech. In 1958 he was promoted to Assistant Executive Secretary and named Executive Secretary in April 1960. The entire budget of the Association was about \$25,000.

"When Wayne was elected Executive Director, our Association was in its infancy. We had few members, only two other staff members and Wayne. Our fantastic growth and many accomplishments during the ensuing twenty years he served us is a direct result of his leadership and effort" stated a former Association president.

When James leaves on March 15, he will leave behind one of the most successful independent alumni associations in the country. It and its three affiliate organizations had income

just shy of a half million dollars in both 1976 and 1977.

Wayne said he never intended to make the running of an alumni association a career. He said he felt he was too shy for the position. But most people would now think he never meets a stranger and that he can call most Exes by their first name. When asked how he remembers so many Exes names and things about them, he says "I like people—especially Tech Exes—and like to know about them".

Wayne has practically been a fixture on the campus since the winter of 1944 when his mother enrolled for two courses that met one night a week and on Saturday. She took at least one course a week and went to summer school each year until the spring before Wayne enrolled at Tech in the fall of 1953. His Dad also earned his Master's degree at Tech during this period and Wayne spent much of the time his parents were in class at the library or at the old "Rec Hall." He laughingly says he knew quite a few Tech Exes and faculty members before he ever enrolled at Tech much less four years later when he went to work for the Association.

At its Homecoming meeting last fall, Immediate Past President Glen Cary reported to the Board on a study he had made on a number of other alumni associations at large state universities. He stated that he found out Texas Tech was held in very high regard

and that some of its programs had become models for some of the alumni organizations he had contacted. He said that James was held in the highest esteem and regard. When contacted last week he stated, "I served the Ex-Students Association for several years including one year as Chairman of the Old Red Club, one year as President-Elect and one year as President. During this period of time, I worked very closely with Wayne James. I found him to be a creative, dedicated and energetic leader who literally devoted his life to his alma mater and its ex-students."

In 1971 the Association was honored as one of the top two University Alumni Associations in the nation by the American Alumni Council, the professional organization for University alumni and development offices. Tech and the University of Indiana received the prestigious Alumni Administration Award for Comprehensive Program Excellence. The Association has also received other awards for its direct mail, publications and alumni programs. In '71, the staff consisted of James; Tony Gustwick, Assistant Director; Berl Huffman, Director of Public Relations; Larry Carter, Special Assistant; eight secretaries and clerk and two parttime students.

The present staff consists of James, an assistant director, an administrative assistant, an accountant, five secretaries and record clerks and two parttime persons. Even though the Association has had the funds for the past two years, the staff has not been expanded to include the number of professionals needed. Associations at Texas A&M and the University of Texas each have staffs of 24 persons and eight or more persons on each staff are considered professionals.

In addition the Association has been unable to employ a professional magazine editor for the magazine and has had to depend on parttime students or new graduates who would work for a few months until their mate would graduate. For too often, James has had to edit the entire magazine in addition to his other duties. Several Board members have commented that they are pleased with the magazine as it is. But the same Board members felt the Association would be better off if James could be spending more time in other areas.

Gustwick resigned in December 1974 to accept the Directorship of the Alumni Association at North Texas State University. Due to financial problems the position was kept vacant until May 1977 and other positions were also cut

FROM THE AUTHOR

I am a person that doesn't know Wayne James well but for quite a long time have respected his work and dedication to Texas Tech and The Ex-Students Association. For over 20 years he had a thankless job and has received undue criticism from the student press and members of the University community.

When I first heard of Wayne's resignation I asked him to let me write a story about him for the magazine. I had to talk to him three times before he consented. His only request was that it be truthful, short and not flowery.

What he didn't know is that I had gotten four other people to help on the story. Without his realizing it we have all inconspicuously asked him different questions, contacted some of his former staff members, a number of Past Presidents of the Association and several alumni directors at other Universities. We collected lots of material and due to the space we tried to cover just some of the highpoints.

Wayne will never know the names of the other people that collaborated on the story and all the people that were contacted. We feel we are representative of the thousand of Tech Exes that appreciate the job he has done for our Association and Texas Tech.

Before giving this story to Wayne, I am going to make him promise not to change one word of it or ever reveal my name.



James received his Bachelor's degree from Tech in 1957 and his Master's degree in 1964.

back to allow the Association to pay off debts occurred when it remodeled the President's home on campus for its headquarters in 1969 and 1970.

Gustwick's resignation was a personal loss to James. Not only had they worked closely together for 10 years but had developed not only a close personal friendship but into quite a team. Tony's leaving forced Wayne to move back into the day to day operations of the Association and clearly prevented the Association from moving faster into other outside income areas.

The lack of a solid financial base and an up-to-date record keeping program have been a real "thorn" to Wayne for the last 6 to 7 years. However, both problems seem to be close to being solved. For almost two years the Association has operated in the black with a six-digit reserve. Last fall the installation of a new minicomputer was begun. The new system will enable the staff to accurately update addresses and gift receipts daily and enable them to provide better services to the Chapter officers and District Representatives. As one former Association officer pointed out, for quite a few years it was more the usual than the unusual for James to have to wait a few days to cash his payroll check after the end of the month.

James said some of his most enjoyable days were in the earlier years when he was able to spend more time visiting with Exes throughout the Southwest and working with Chapters. As the Association grew larger he was forced to spend more time on campus in administrative details.

It was James's idea in 1965 to use four-color photographs on all issues of *The Texas Techsan*. It became the first alumni magazine to use four-color photographs on all its covers. Practically

all alumni magazines now use this process.

In an effort to increase gifts to the Loyalty Fund James initiated the Century Club in 1962. The year before only 9 gifts of \$100 or more were received. But in its first year the Century Club had 130 charter members. He seems to enjoy asking people for support of the Loyalty Fund. In the past decade the average size gift has increased from \$9.83 to \$29.33. For years he has personally signed each gift acknowledgment and written personal notes on most of them.

In 1971 James taught a course in Public Relations in the Mass Communications Department. The students chose as their class project "Develop a Public Relations Program for the Ex-Students Association Aimed at the Graduating Senior During Their Last Semester". James and Gustwick combined the different projects into one program. More than 75 alumni associations throughout the nation copied all or part of the program and James spoke on it at several national and regional meetings. James said the "only sad thing is that Tech has never had the funds or staff to put the entire program into operation and has used only parts of it".

For many years James was quite active in working with student organizations. He has served as chaperone and sponsor to the Cheerleaders on their trips and advisor to the Student Association, Saddle Tramps, Alpha Phi Omega and other groups. James said one of his biggest disappointments is that the last six or seven years he has been unable to spend much time working with students.

He laughs now about how strict Tech was on letting student groups take off-campus trips. Every group had to fill out all sorts of papers and have a chaperone along. He was asked to serve as Chaperone for the Cheerleaders on trips to Arizona and Arkansas the year after his graduation. He says that he and Dr. Florence Phillips, Tech professor and Dean of Women, still laugh about his being a chaperone. But Dr. Phillips said he qualified as he was a staff member.

Scholarships have always been of interest to Wayne. He has been known many times to go out and personally raise some money to help some student stay in school when University funds were not available and to locate the student a parttime job. He takes great pride in that the Association awarded over 140 academic scholarships in 1977.

For several years he assisted the Admissions Office in their "College Night Program". But as the Admissions Office staff was increased he turned his efforts to other areas of Academic Student Recruiting.

Through the years Wayne has visited with Exes and Friends of the University

to get them to include Texas Tech in their Wills. James is credited with getting the late Governor and Mrs. Dan Thornton to include Tech in their Wills. The settlement of Mrs. Thornton's estate has sent over a million dollars to Tech in addition to a large amount of oil royalties.

Since the Ex-Students Association Endowment Trust Fund was established four years ago James has quietly promoted it. He looked on this as a real opportunity for him to do something meaningful for Tech over a long period of time. It is known that quite a few Exes have made provisions for it in their Deferred Giving Plans. As one Lubbockite pointed out, "I know that some of the key Association and University officials don't realize how effective Wayne is in this area. His vast knowledge of Tech Exes and his ability to put people at ease when talking to them about their Will is a real asset. People like Wayne are very rare in this type of fund raising and it is a shame that he is leaving when Tech so badly needs help in this area."

One of the things that James takes great pride in is Texas Tech Specialties, Inc., a profit-making company that is owned by the Association. Started late in 1974, it was organized to try to provide additional operating funds for the Association. In 1976 it has income of \$210,000 and is operating in five or six different general areas. James serves as President and Chief Operating Officer, Manuel DeBusk '33 is Chairman of the Board, Trent Root '49 and Wilmer Smith '37 are directors. The four are committed to see Specialties continue to develop into a million dollar operation and be able to underwrite most of the Association expense.

The Association Board voted in the fall of 1976 that James could be relieved of most of his day to day duties with the Association by the hiring of two assistant directors so that he could spend time on the Endowment Trust Fund and Tech Specialties. But when time came, only one assistant was hired last May by the Association President. It is no secret that Wayne has been discouraged by this and it was a factor in his making the decision to resign.

For the past ten years or so, James has not been looked on always with great favor by some of the University officials who felt the Association should be a part of the University and he should report directly to some University administrator. While it has known to have hurt him "inside" when he didn't get the cooperation he needed, he has gone on and tried to carry out the policies of the Ex-Students Association and do the things for the Exes and the University he felt was right. His only comment now is "there have been times when a little more cooperation would have made things a lot easier and the Association could have accomplished some things

for the University that it was unable to". As one observer noted it is amazing how he has kept his personal feelings to himself and been so positive when talking to Exes about Tech.

For many years James had a very close working relationship with the Board of Regents. In 1964 the Board requested that he attend all open meetings of the Board. Quite often he was asked how Tech Exes felt about different topics. However, in recent years, some University officials have openly discouraged his attendance at meetings of the Board and have discouraged his association with members of the Board. He says he now rarely has any contact with the Regents and then it is only social.

For the past six years it has been a team effort for Wayne. In May of 1971 he and Peggy Welling '64 of Dallas, to everyone's surprise, slipped off and got married. Since that time she has spent practically all of her vacation time traveling with him to out-of-town Exes functions, football games or on the Flying Red Raiders trips. "She has been a tremendous help to me at football receptions, club meetings, helping take care of people on the group travel programs and helping out at the office at night," Wayne said.

"We have one agreement—at home she doesn't talk about her work for the University and I try not to talk about mine at the Association. So far she has kept her part of the deal but I have to let off some steam to her occasionally", he continued.

Wayne and Peggy seem to enjoy the role of a second set of parents to about 20 to 25 Tech freshman and sophomores each year—most of which are sons and daughters of Tech Exes. It is amazing at some of the problems that students have discussed with us they point out. "We get to share hearing about the pleasant experiences at Tech as well as those that are not quite so pleasant", Peggy pointed out. They will agree their conversations with the students helps to keep them in close touch with the Tech student body. "It was common practice for Wayne to go out of his way to personally aid and accommodate sons and daughters of ex-students who were enrolled at Tech. He was especially attentive to those children of ex-students who parents lived outside the United States or at some other distant point from Lubbock," commented a former Association officer.

The Association was known as the "only office on campus that had screen doors" when he was named Executive Secretary, James said. It was housed in three small rooms on the first floor of the front wing of the Administration Building. When we stuffed a mailing we had to move out in the hall to have room. It was quite a common sight to see people like Lewis Jones, Marshall Pennington, Joe Winegar, Haskell Taylor, Dr. W.M. Pearce, Dr. Wayland Bennett, Dudley Johns, the mailman,

and other campus administrators and faculty members stop by and help "stuff mailings" while taking a coffee break. He pointed out in those days no one was too busy or too important to help the Association in even the smallest task. Wayne says that some of the girls that worked with him in the Ad Building and their husbands are now some of the best workers and financial supporters of the Association. Some of these include Janice and Dr. Jerry Thompson, Sandra and Royce Turner, Carolyn and Bill Waddle, and Carolyn and Bill Calvert.

In 1962 the Association moved into new quarters in the Student Union Building—five small rooms. But it wasn't too long until it had outgrown these quarters. No doubt one of the happiest days in Wayne's career was the day the Association moved into the "Old President's Home" in 1969. At last the Association had an image on campus that both Exes and students could identify with. He says he will always be indebted to the late David C. Casey and Clifton H. Cummings who gave so much of their personal time and money to raise funds for the remodeling and furnishing of the building. He still rates them as the two best fund raisers in the history of Lubbock.

Wayne says he has been on campus as a student and with the Association during some of Tech's best years. While a student a number of major buildings were constructed, the enrollment began to climb, the Coliseum was opened, and Tech got in the Southwest Conference. Even after he graduated, for a number of years Tech was still small enough that everyone seemed to know each other and seemed to have one goal in mind—"to make Tech an enjoyable place to go to school and get a good education at the same time". Those were the days when money from the legislature was scarce for Tech and everyone worked together to see that every penny was spent to Tech's advantage. But as Tech grew and the "old group" started retiring or moving on, the personality of Tech began to change.

One of Wayne's greatest delights has been the honoring of the retiring faculty and staff each year at Homecoming. The Association started the practice first in 1961 and for many years was the only recognition these people received. Then in 1974 the Association started the "Top Techsan Staff Award" which recognizes outstanding staff members each year. Until last fall this was the only award on campus that a staff member could receive. He is a firm believer that the staff as well as the faculty make a great school and play a key role in providing the proper climate for future active alumni.

Wayne doesn't like to talk much about his activities as an undergraduate, other than he studied enough to get by.

Checking old copies of the La Ventana and the Toreador, show him as being Editor of the three times a week Toreador (student newspaper), representative on the Student Council, Vice President of the Saddle Tramps, President of Sneed Hall, member of the Southwest Conference Sportsmanship Committee among other activities. When confronted with these, he seemed to show most pleasure in his activities for Sneed Hall. "Those were a great bunch of guys and all have done exceptionally well since graduation", he said.

James has served as a District Chairman for two years and on the national board of the American Alumni Council for four years. He is currently serving as a district director of the Council for the Advancement and Support of Education and on the membership committee of the American Society of Association Executives. He is also active in the Texas Society of Association Executives.

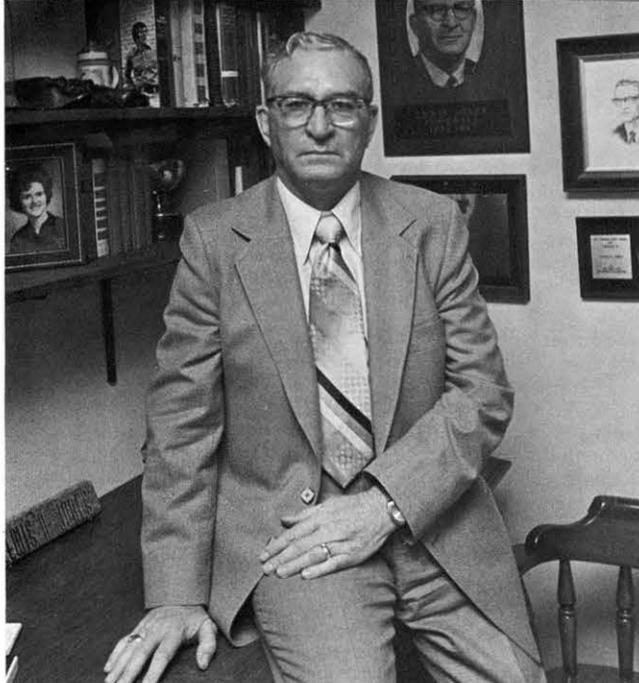
In addition he holds membership in the Public Relations Society of America, Sigma Delta Chi Professional Journalism Society, Phi Delta Kappa Education Fraternity, Rotary International, Press Club of Dallas, Masonic Lodge and the Shriners.

His professional accomplishments have resulted in his being listed in, among others, the *Outstanding Young Men of America*, *Who's Who in American Education*, *Who's Who in Texas Today* and *Personalities of the South*.

For Wayne and Peggy, running the Ex-Students Association has been a 60-hour work week for 52 weeks of the year. Even when they accompanied the Flying Red Raiders trips, they were working. Wayne likes to recount the many Century Club members he has enrolled while across the ocean or how a drink and dinner in some exotic place often developed an interest in the Association or the University that produced new volunteer leaders or a commitment to include Tech in their will.

Although Wayne insists that he has served as a "catalyst" but the success of the Association has resulted from the extra ordinary leadership and hard work of hundreds of volunteer Exes and dedicated staff members. Most Tech Exes won't agree. "All ex-students should be forever grateful to Wayne James for his undying devotion to and his tireless work for Texas Tech, its faculty, staff, students and ex-students. We can never repay him for what he did, but we can express our appreciation," Association Past President Glen Cary pointed out.

Whether Wayne and Peggy continue to live in Lubbock at their home at 3419-54th St. or not after March 15, there is one thing for sure, "The Ex-Students Association won't be the same without them".



Dean Jones is shown in his office shortly after being named "Man of the Year" by the La Ventana Staff. The yearbook will be dedicated to him. Shown in the background are plaques presented to him when he was named to Techs Athletic Hall of Honor, Top Techsan Staff Award recipient and the Ex-Student Association Distinguished Service Award.

An Interview with Dean Jones

EDITOR'S NOTE

In 1947 both a former Red Raider and professional football player named Lewis N. Jones '38 returned to the Texas Tech campus as Assistant Dean of Men. In 1953 he was named Dean of Men and in 1976 Dean of Students, a position he held until he retired in January.

In his 31 years at Tech, Dean Jones has been administering rules, regulations, programs and policies affecting student life on the Tech campus, implementing policies related to the Code of Student Affairs, disciplinary action, on and off-campus housing, student activities, financial aid program and student personnel records.

He was named "Man of the Year" by the La Ventana this spring—the only person in history to have had the yearbook dedicated to him twice. Intrafraternity Council awarded him its first "Iron Man Award". Numerous other campus organizations have honored him and the City of Lubbock Mayor Roy Bass proclaimed December 3 as "Dean Lewis N. Jones Day".

Alpha Phi Omega Service Fraternity saluted him last December at their special awards banquet when a number of former members returned to pay tribute. He had served as Faculty Advisor to the group since 1948 and on the National Board of the Fraternity from 1956-1972. He received the Fraternity's highest award "Distinguished Service Award" in 1966.

He had been quite active in state and national student personnel professional organizations and is commonly referred to as a "Dean's Dean".

But most important are the many students that have left Texas Tech realizing the fatherly discipline talks with Dean Jones helped to settle minor problems and to point a direction for the future.

Because of my high regard for Lewis Jones I couldn't do an article that would pay proper tribute to the man that has helped so many. He finally consented to an interview.

To myself and countless others, Lewis N. Jones will be remembered as a "Builder of Men".—W. J.

What change have you noticed in the student body at Texas Tech from the time you went to work at Tech 31 years ago to the 1970's?

Quite obviously there is a change in numbers. In 1947, at the time I began my work at Texas Tech, the student body was predominantly made up of veterans. They were enrolled in large numbers and in a hurry to graduate and began to make a place in the world for themselves. This older group of new students set a very serious tone to the class room. He wanted to learn the material presented and in doing so demanded and received from his professor an in-depth teaching response.

For several years this veteran influence remained on the campus. During these days classes were held until noon on Saturday. The weekends, Saturday night, was on the town.

Needless to say the other 6 nights were for study. In the residence halls, the careless freshmen who forgot that others were here for business soon found a wing meeting called by the veterans and in no uncertain terms, the freshman learned to be quite during study hours.

Do you think the entering freshmen are more mature now than they were 30 years ago?

If I knew how to define maturity, I could possibly answer better.

In terms of common sense, judgment, and character I doubt the present day freshmen are further along. In terms of knowledge, training, exposure to facts, better teaching in high schools, definitely yes, the present-day freshmen are further along. The degree of sophistication is in favor of the present-day freshmen.

Do you feel that the attitudes of the students toward the faculty and administration has changed in recent years?

Yes. I think there are many factors that enter into this change. Our affluent society of the recent past has made it possible for the today student not to ever remember anytime that was not prosperous. This means that his parents were able to provide not only the necessities of life but most of the wants and desires of their sons and daughters. Many of the students parents who remember the depression days for some reason think that an over-indulgent parenthood will make up for the things that they may have done without, during their youth.

Faculty as a whole has become an indulgent faculty, permitting in the name of concern, all kinds of attitudes to dominate the world of social reform, political thinking and moral values. Along with this indulgence has grown the court system that has projected itself into the lives of people and resulting in laws and interruption of laws that loose the influence that parents have exercised upon their children in past generations.

The faculty and administration have always found themselves in the position of being caught between the student and his growing demands of his "rights" and the time in life of the student when he needs very sympathetic guidance as to what the expectations are. The faculty and administration are in the business of dedicating their lives, talents and influences upon adolescent youth. It seems that always the graduating class is made up of most of the responsible students and this leaves three years of students who are in some phase of learning responsibility.

Do you think that a graduate of a small high can easily adapt to the large enrollment at Texas Tech and feel a part of it?

Yes. This has been done and is being done over and over here at Tech. The student from a small high school may be behind his classmates for a period of time in academics but this soon evens out. The quality of the teaching does not necessarily happen in small schools. With the mobility of the population these days, the small school students have the opportunity to experience most of the same things as his counterpart in the large school, except a breath of course offerings. The social life should be very similar between the two students.



The members of Alpha Phi Omega Service Fraternity honored Dean Jones last December at a banquet in his honor. He was both a long-time advisor to the Tech Chapter and a member of the national board of the fraternity. Shown with him are Jim Tillinghast '69, Houston and Eugene Lake '67, Lubbock, both former Field Directors of the Fraternity. At the right is Joe Scanlon, retired Executive Director of the Fraternity from Kansas City that delivered the address at the dinner honoring Dean Jones.

For many years your office consisted of Dean of Women and Dean of Men and Assistant Deans. What changes have taken place?

The changes have been far fewer than in many other universities and colleges. The major changes have been in titles. This fad of title change has swept the nation. No one seems to know why one title is better or worse than another. There are some hints that the "Social Engineers" felt that the "stoggy old Dean" was a real threat to the "total development" of the students. The responsibilities are basically the same as ever, within the frame work of the many laws, rules and regulations that have been passed and decreed that are mostly to protect the student. Regardless of the "handle" that is attached, as long as that individual is concerned for the welfare of the students.

How do you see the relationship of student life with the academic officer on campus in the past, present and future?

The academic affairs of this university, as with every other university, is the main business that takes place at Texas Tech. If this university does not exist for the academics then it is a waist of time and money. All the other parts of this university supplement and complement academics. It is my belief that the student life program under whatever title, has fulfilled that obligation in the past and it must now and in the future. This is not to say that student life is not very important to the university. I have wished that a better understanding of the rule and scope of student life was held by the administration at various times in the past. All in all their has been a workable and satisfactory relationship that existed between academic and student life.

For many years the vast majority of students were housed on campus. What changes have you noticed since a large percentage of the students now live off campus?

The greatest change that I noticed was the loss of unity among our students today. They seem to not know but a few other students, those in their club, apartment building and casual acquaintances. The residence halls have lost the upper classmen as residents and therefore filled by freshmen who by the beginning of their sophomore year are either off campus or not eligible to return to enroll.

I am not sure what the student of today will substitute for loyalty to the university. Since the student is very mobile and spends many weekends other places and without a real peer group relationship to be loyal to, not much left except great athletic success.

What changes have you noticed in the student athletics intramurals?

The student athletes of today are better students academically, better persons and are a much more dedicated athlete than in the past. Not 100% of the present day athletes are so dedicated. Some very fine individuals have represented Texas Tech in the past but as a whole the present-day athletes are superior.

The story of intramurals is one of the brighter sports at Texas Tech. This is not a new thing for Texas Tech for it has been so for about 10 to 15 years. The participation of our students both male and female has been outstanding. We are in the process of developing a physical facility that will be most complementary to the interest of our students. It is heart-warming on a 10° evening to find a soccer game in progress at 10 pm with more than a few spectators present. The "Old Barn" is often scheduled until 1:30 in the morning with basketball games.

How would you compare your relationship with student leaders when Tech was much smaller compared to the present with an enrollment over 22,000 students?

The student leaders of a much smaller student body were much more visible then they are today. Many times the leaders of yesteryear held several leadership positions—where as today it is not often that this can happen. Many more organizations are in existence today but only a few offer a real leadership opportunity. This does not mean that the potential is not there to develop an organization into a significant roll on campus but most students today seek a ready-made vehicle to practice their leadership upon. In recent years the universities concern for the well-being of an organization has almost ceased to exist due to court rulings on various facts of organizational membership. My relationship was often closer to the campus leaders of the past. They were well-known and in many instances had been groomed for their position for semesters prior to their term of office.

What change have you noticed in the student body as the number of foreign students increase?

The number of foreign students has not been significant enough to have an impact on the campus. Even though their numbers have increased, this increase has not been significant.

In recent years has the role of the Greek social fraternities and sororities become more or less important in student activities at Tech? In what way?

The roll of the Greek social fraternity and sorority have continued to be important in student activities. Their influence is unduly felt in student elections because of their close nit unit. They by no means control the elections but do have a say in the campus body politics. Since their organizations do cooperate with each other when a common project is undertaken it usually is very successful. These groups have been a very positive force on this campus and have added a tremendous amount of interest to student activities.

How has the role of your office in connection with the supervision in the Residence Halls changed?

Supervision within the residence halls no longer is the responsibility of the Dean of Students Office. Upon the creation of the position of Director of Housing, the responsibility was shifted to that position. The Dean of Students Office is responsible for the discipline of the resident of the halls on the same level as any other student enrolled at this university.

You have been on the Tech campus as a student or as an administrator under the leadership of all the Tech's Presidents except one. How would you describe their commitments to Texas Tech, its students and Lubbock County?

This is a little difficult to answer. Let me go one by one and give you my impression of them. Of course I came here as a freshman just after Dr. Horn died and all I know is he is a man who lasted a number of years and was an agriculturist. He came here with an agricultural background. I think he was good, I think every president that's been at Texas Tech has served a purpose. The present one may, I don't know, he's been here such a short time, it's hard to evaluate him. But every one of them has served Texas Tech in a peculiar area and I think this was good for it.

Bradford Knapp did a lot of good things for Texas Tech. He did a lot of solidifying things where Dr. Horn could not. After him came Dr. Clifford Jones, and though I wasn't here long, I was here as a student and received both my bachelors and masters degrees under Dr. Jones and he'd retired and Dr. Wyburn was President when I came back to work at Texas Tech. Dr. Wyburn did a lot of good things. Every one of the men did good things in a particular area and as far as their commitment to this thing, I think it is hard to evaluate. I think the dedication varied from man to man as they knew the school, as they knew the people here. Dr. Goodwin came here very young and being here all the time he probably had the best chance of knowing the total university. Dr. Clifford Jones was on the first board of directors and then later became president. Of course he knew West Texas, he knew the people. Not being an academic man was some handicap to him but I understand he did a good job as an administrator.

Dr. Wiggins, being a West Texas himself, knew the people real well and the area. Even though he was only here four years, I think he related to these people and is still a part of our community here.

Dr. E. N. Jones was an outsider that came in here from Texas A&I and I think understood people pretty well, but maybe not quite as well as Dr. Goodwin who replaced him.

Dr. Murray coming in from Louisiana I don't think ever really understood the West Texas people as well as he should; the attitude that they have and the independence they have. I think he tried but I'm not sure how much he ever really understood.

Dr. Mackey, the present one I think is a little too new here to make an evaluation.

What prompted you to devote your professional career to Student Affairs?

The main attraction was young people. That may be an overused phrase but I had enjoyed my association with highschool aged students both as a teacher and a coach. When the time came to give up coaching, the opportunity to come to Tech as Assistant Dean of Men presented itself and I felt at home with this relationship. Numerous opportunities have presented themselves to leave this field for other more attractive financial rewards, yet I would not leave something I enjoyed and felt that I did a fairly acceptable job of— and then I got too old to look for other fields of employment.

If you had your professional career to do over, would you follow the same path again?

Oh yes. There are a few detours that I would make such as a doctorate, possibly some legal training along the road to my professional life. I could not ask for better individuals to work under or with. Each has contributed to my life significantly and positively. This I am thankful for.

You have worked very closely with Alpha Phi Omega Service Fraternity and other service groups for many years. How do you see the role of these groups in the future?

How any campus can do without service groups is beyond me. However, service can be rendered by any group but

unless their prime interest is service the group likely will become lax and devote less and less time to service. Alpha Phi Omega is one of several service organizations that can exist on a campus. Such organizations give balance to a campus and offers an alternative experience to the students. Most organizations that are service-oriented offer a balanced program of service, social experience; however, with major emphasis on service. Should campuses loose its service-oriented organizations it would be a sad day for many students since a large percentage of students on any campus are not involved in a social group.

What do parents expect from the University now compared to the past?

I think they are utterly confused. I think they expect the same cockeyed thing that they used to, that their young man or young woman would come to college and behave themselves and get a good education and get out in the world and make a living. They are conditioned by all the laws they hear about, read about and are brainwashed by and are pretty much confused by then. Bless their hearts, they know what they expect but don't know if they will get it. This is where personnel deans come into the picture. They have to give guidance and counsel to parents. The parents may not necessarily want this until their son or daughter gets into trouble but I think the personnel staff has to force themselves on the parents without them really realizing what he is doing.

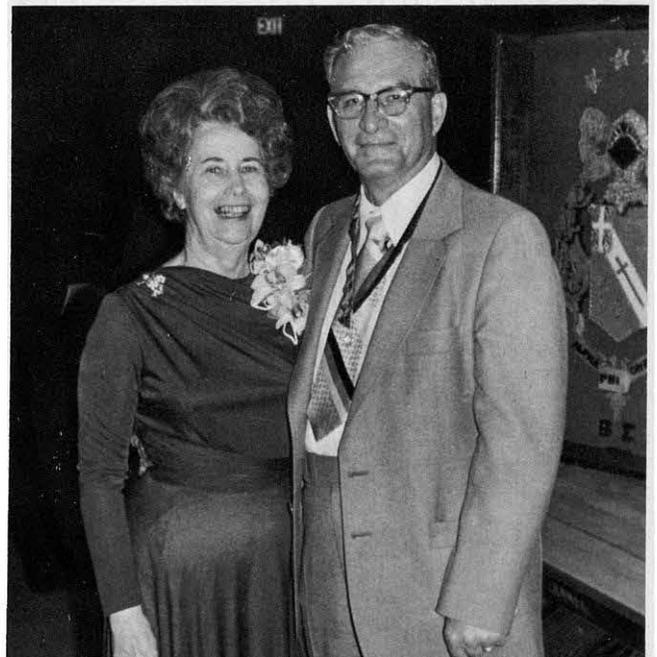
To what extent do the University Daily and the Student Senate represent the attitudes of the students?

This is a personal feeling I have but I think that they represent the attitude of very few students. I think the students at this university pay very little attention to the Student Senate and University Daily. They use the Daily to express their opinions, particularly if they get upset with some issue whether it be the administration or otherwise. But I doubt if it ever really projects anywhere near the majority opinion on the campus. This may be about the same as any other daily newspaper in adult life. But I think it is a good exercise. A good experience for the people involved. I think it is necessary for the student body to have these agencies on the campus.

What changes in discipline have you noticed since alcohol has become available in Lubbock County?

Very little. I thought that the possibility of liquor becoming available to people in Lubbock County would cause things to be chaotic on the campus. It happened slowly and has not changed the campus a great deal. I think probably we have

Hazel (Gibson '39) and Lew are the proud parents of Nancy (Claunts '64) of Washington, D.C. and Mike of Lubbock.





Student Association Officers left to right Ronnie Bobbitt, Executive Vice President; David Sterrett, Internal Vice President, and President Chuck Campbell are shown presenting Dean Jones with a special citation from the Student Association.

far less drunkenness than we used to have. I think we have far more kids drinking than we used to when they had to bring it in here from Amarillo or Big Spring or somewhere else, when it was a no-no in the city, a no-no on the campus, they tried to drink it up before they got back to the campus and ended up quite enebriated and caused themselves problems. I think it is a more wholesome situation than it was then. We rarely get calls now from, say another city, saying that they have some of our students drunk and involved in an accident.

What changes have taken place in the disciplinary pattern in your years in Student Life?

A whole lot. The age of majority being lowered to 18, the number of court cases that have been built around discipline consideration across the country and the due process concept of discipline has changed the discipline pattern. You can hold a student responsible for the same offenses but the manner in which you go about administering discipline is a whole new ballgame from what it was 10-15 years ago. You must follow all the procedural guarantees, the time-consuming part of discipline. I think this is a very little different from what we used to do but not in such a formal manner of written reports with the students receiving all the charges in writing. It was a matter then of conference in the office. I don't know that today procedure is any more effective, in fact I think it may be less effective than it used to be.

Is there a drug problem on campus? If so, do you have any recommendations on how it could be controlled better?

Yes, there is a drug problem on campus and let's define the term drug problem. If you have one kid on the campus fiddling with drugs, then you have a drug problem. Yes, we do have kids using drugs on the campus, I doubt if very much hard stuff is used. Most of it is marijuana. I try to tell parents in the summer when they come for orientation that we take their sons and daughters exactly as they turn them over to us. If they have a drug problem in their home town, their son or daughter will bring it here with them and there is not much we can do about it. They have spent the last 17-19 years in home teaching and if mom and dad haven't taught them by this time there isn't much we can do about it. All we can do is hold the student accountable for their behavior. I don't know how to control this kind of behavior and I don't have any recommendations on how to combat drugs except to take cognisance of things as they happen and handle them as the law permits.

With the expansion of the Graduate School and the addition of the professional School of Law and Medicine, how has this affected the student body?

I think it has given a shot in the arm to our students because I think that many of our students are under the impression that if they go to Texas Tech they have an inside track to go to law school or med school and this is not true

necessarily, but they think it is. It is a matter of pride for the students to say that we have a law school and medical school. I think this affects our whole faculty and student body in a positive way.

The expansion of the graduate school is significant and expands us into a first-rate university. Now we must consolidate our assets and become even greater.

What directions do you think the University should go in the future in serving the needs of the students?

With the several publics that the university serves it is not easy to plan for just one public, even though this public is the reason for the existence of the university. Whatever the direction the university takes in service to its students will leave some segment unserved. With our university complex expanded into the professional schools, it probably would be of great importance to combine our efforts to provide the best undergraduate instruction that we can muster up. Quality instruction is a must. I think we should resist the temptation to lower our standards for those who are of marginal quality academically. Keep our standards high and let the fall-out come from those who refuse to measure up. The best service we can give to the needs of our students is quality instruction.

Do you think that the University has a climate that induces the student to form an alliance of it following graduation as it did in the 1950's?

I'm not sure about this one. Let me tell you what I think. As enrollment, as numbers go up, you lose some contact with students. In the 1950's just about everybody knew everybody else at least by face if not by name. There was a closer feeling one to another. You can lose yourself in the student body now if you want to be lost. As I understand it, it takes a few years before a person has an inclination to go looking back towards their undergraduate days as a matter of pride and wanting to do something for the school. In another part of this paper, we have discribed loyalty. I hope with some insight as to how loyalty to the university may be enhanced.

What plans do you have for the future to enjoy your retirement?

This is a day to day enjoyment. I have no other plans but to enjoy life as it comes. I have worked all of my life and plan to enjoy retirement to its fullest. I don't think anything will get in the way of this as long as my health stays good, I see no reason not to enjoy retirement. Some people fear boredom. I don't, there are plenty of things to do if you're willing to do them. If I get bored I will find something to interest me and help others in doing so.

At the present time my wife and I are going to do some traveling within the United States and continue our interest in geneology and just enjoy living.

Texas Tech has been tremendously good to me these years that I have been associated with it. I don't know of anyone who has been more fortunate than I. Texas Tech afforded me the opportunity in the earlier years to receive two degrees. It afforded me the opportunity to work here and serve it and make a living for the better part of my life. I don't know what else I could want. I owe far more to Texas Tech than it ever owed to me. I hear some people ask what did this school ever do for me. Gee, what it didn't do for me. It salvaged an old country boy who came out here not knowing what the world was about and nurtured him gentle-like and was patient with him and helped him get his feet on the ground. And the people involved in the University that I had contacts with were the same way. They were kind and considerate, patient, helped me along and whatever I have been able to contribute to Texas Tech, it is not nearly enough for what it has done for me.

It is a great place. I know that I am part of it and I always will be and I hope that I can repay it for the many things done for me. I know I owe and I will repay some how.

Certainly, We're Crowing!



WE FIGURE WE'VE GOT
grounds for a little noise-making
on the accomplishments of the
Ex-Students Association in 1977.

It provided \$70,000 in direct funding for:

- Academic Enrichment and Faculty Development (\$20,000)*
- Library Enrichment Program (\$2000)*
- Law School Research (\$4000)*
- Academic Student Recruiting*
- National Merit Scholarships (\$5500)*
- Academic Deans Cost of Education Funds (\$12,500)*
- University President Travel Fund*
- University Presidents Academic Enrichment Fund (\$5000)*

It also provided:

- Awards to 59 Individuals for Special Recognition*
- Financial Assistance to Cheerleaders*
- Student Summer Internship in Washington, D.C.*
- Support of Athletic Expansion Program*
- Designated Supportive Projects*
- Funds for the School Spirit Organization*
- 140 Academic Student Scholarships*
- Sponsorship of Basketball Broadcasts over a 50,000 Watt Station in San Antonio*

Thank you for your support of The Texas Tech Loyalty Fund which helped to make these and all other activities of the Association possible.



Students for Free Enterprise Active on Tech Campus

Thirteen Texas Tech juniors and seniors this semester have taken on a project of alerting Lubbock area citizens on the value of the free enterprise system.

The Texas Tech program, appropriately dubbed Texas Tech Students For Free Enterprise, was established four years ago as a three credit hour course, BA 4381, open to any and all majors under the sponsorship of Dr. Duane Hoover and Dr. Vincent Luchsinger.

The Tech program is a part of "Students in Free Enterprise", a nationally recognized organization supervised and directed by the National Leadership Methods in Austin, Texas. The program consists of "free enterprise" organizations located in fourteen states sponsored by various corporate firms, with the primary responsibility of promoting the conceptual merits of free enterprise while alerting the American public that free enterprise is still the stalwart cornerstone of the U.S. economy.

In accordance with the main goals of the national organization, the Tech program attempts to

better acquaint the general public with the ideals of free enterprise as well as working with the business community to improve business' social credibility.

The Texas Tech Students For Free Enterprise is a non-profit organization financed primarily through the contributions of local businesses and civic groups.

The various chapters convene annually in the spring in Dallas for a competition sponsored by Texas Southwestern Life Insurance Company. The chapters begin their programs in the fall which are designed to comply with the criterion set forth by the competition's judging committee. The chapters seek to maximize their input by providing a comprehensive source of information to the community.

The Texas Tech Students For Free Enterprise has twice placed second in the competition, and although they did not place last year, they stressed public exposure and community education. Their list of objectives included the following:

1 Serving as a source of information and perspective on the

American Free Enterprise System.

- 2 Determining the extent to which our local community and the American public actually needs education relative to our American economic system.
- 3 Producing a series of "multiplier effect" programs to spread the Free Enterprise Concept through others.
- 4 Providing an opportunity for as many people as possible to understand and appreciate our American economic system.
- 5 Reaching as many individuals as possible with our positive message regarding the benefits and continuing promise afforded by the American Free Enterprise System.

To accomplish these objectives they instituted distribution and presentation of "Free Enterprise: 200 Years of Progress", a slide show prepared by the Texas Tech Students For Free Enterprise, and also conducted a series of attitude surveys. Seminars on Free Enterprise for teachers provided assistance to schools

in developing their own Free Enterprise programs, and the dispersal of various pamphlets and booklets allowed them to reach a vast majority of the community.

In preparation for this year's competition to be held in Dallas on April 22, they have worked on many projects and it is hoped that it will reach even a greater number of people than past projects. The major endeavor has been the coordination and implementation of a "Free Enterprise Week" in the Lubbock area.

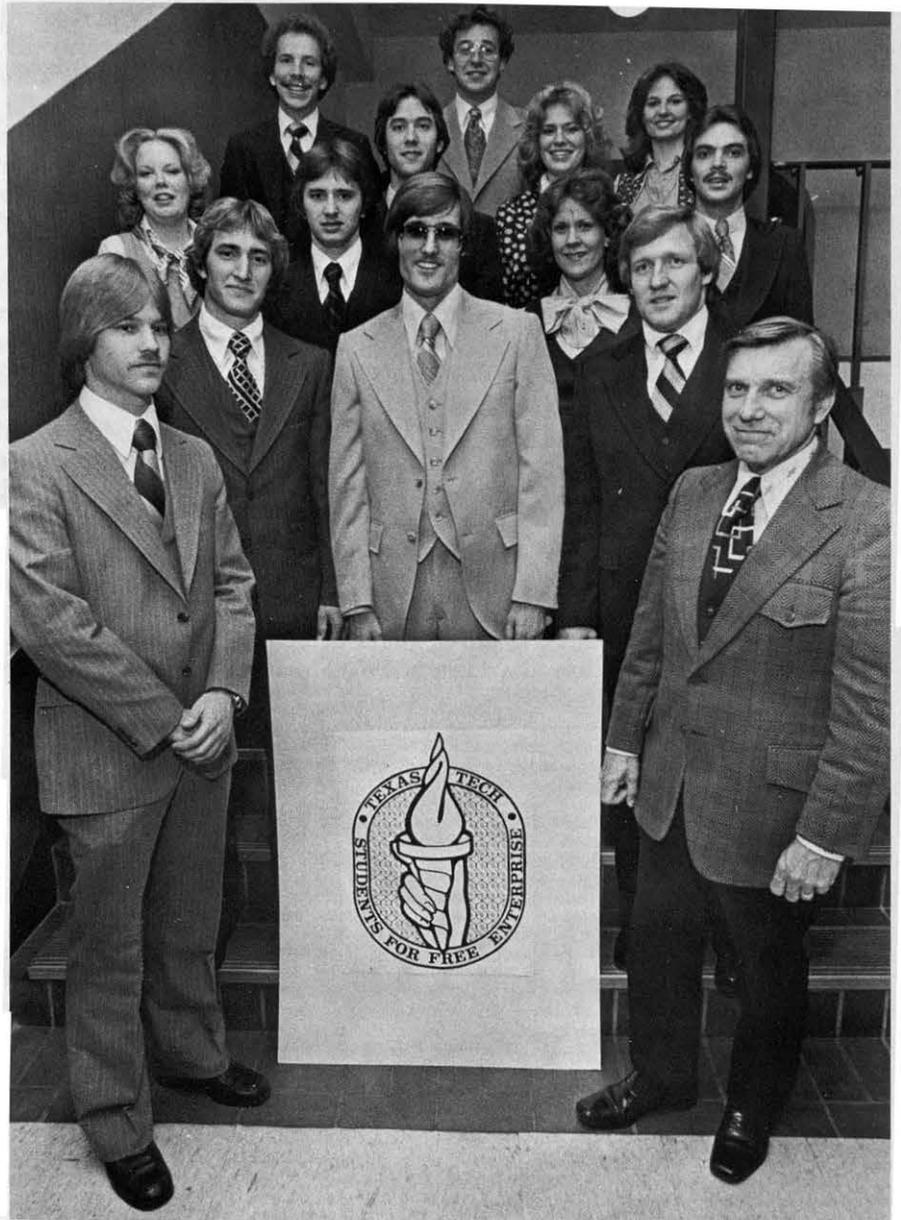
On February 23, Mayor Roy Bass designated March 5-12 as "FREE ENTERPRISE WEEK" in Lubbock, and several students from the Texas Tech Students For Free Enterprise participated in the ceremony followed by an interview with Bernie Howell on KMCC-TV's "Involvement 28". Some of the other activities associated with the week include a Sunday supplement in the **Lubbock Avalanche Journal** containing articles presenting the achievements of many of Lubbock's businesses in the area of free enterprise.

The Texas Tech Students For Free Enterprise provided various businesses with a cost analysis and through interviews with these businesses obtained the finances necessary to publish the supplement.

Also in conjunction with "FREE ENTERPRISE WEEK", Agriculture Commissioner Reagan Brown will speak in the Business Administration Building in Room 202 on Friday, March 10, from 3:00 to 4:00, and this talk is open to the public.

An essay contest was also sponsored by the Texas Tech Students For Free Enterprise for area high school students and the winners' would receive a \$50 and \$25 savings bond donated by local businesses and the winning essays would appear in our supplement.

Besides arrangements for the "FREE ENTERPRISE WEEK"



Pictured from left to right are: Top row—Bryan Campbell, Mark Wells, Debbie Greener; Second row—John Bailey, Susan Johnson, Gary Hanson; Third row—Gwen Clark, Steve Manchester, Lanetta Johnson; Fourth row—Dean Teterick, Ben Arnold, Kurt King; Front row: Chris Perkins and Dr. Luchsinger.

the Tech group has been involved in the updating of a slide presentation that is presented to local businesses, civic organizations, and schools. It paid for an advertisement to be flown over the Tech-Arkansas football game which was regionally televised, and printed table-cards introducing the organization and some trivia on free enterprise to put in local restaurants.

Finally, the students have

actively pursued the idea of establishing a local Junior Achievement Program in one of the local high schools to give the students an educational and practical insight into business. Through these and other activities the group hopes to help perpetuate an ideal that has allowed the United States to grow and prosper and one that will continue to provide business with an incentive for progress.

New Head Coach Rex Dockery and his staff are winding down after their first recruiting session with the signing of 25 athletes to National Letters of Intent. Tech's signees were the same athletes who had previously signed Southwest Conference Letters the week prior with the exception of one, Willie Wright, of El Paso, who signed the National Letter with the University of Oklahoma.

In talking with Coach Dockery, he outlined the positions of his new coaches who are Bud Casey, formerly of Georgia Tech, who will be the offensive coordinator and who will also coach the running backs. Pat Hodgson, from the University of Georgia, will coach the receivers and quarterbacks. Sam Robertson, of Southwestern Louisiana, will be the defensive coordinator and coach the linebackers. Jim Bates of West Virginia will coach the defensive secondary.

Recruiting this year was concentrated on the skilled positional players according to Dockery. Included in the signing were four junior college transfers, three of whom have three years of eligibility and one who will have two years. "We plan to save one or two scholarships for walk-on's," said Dockery.

When asked about the walk-on's from last year who were still intending to try and make this year's team, Dockery replied, "I'm uncertain, however, there are quite a few."

"Tres Adami and Mark Johnson are two lettermen at the quarterback position, and they will have competition from three of last year's freshmen," replied Dockery about the replacement for Rodney Allison.

According to Dockery, "the offensive line should show good strength because many young players had to play last year in these positions due to injuries to our seniors." "The biggest weakness will be the inexperience at skilled positions and basic inexperience of the overall team." "Using basically the same offense as last year will be helpful."

When asked what has been the biggest adjustment from the role of an assistant coach to that of being the Head Coach, Dockery replied, "since it's only been two months, that's a hard question. So far, answering mail and public relations have required more of my time."

On to Spring drills.

Tech Signs Good Crop of Football Recruits



TERRY BAIER, 6-1, 200, LB, ODESSA... All-State, All-South Plains and All-District 5-AAAA linebacker as senior... named district's outstanding lineman after senior season... recipient of Odessa High's Hatchett Award... only played in eight games last season... lettered three years in football and track... listed as one of Texas' Football blue chip candidates at linebacker... member of national chapter of FCA... Coached in high school by Dick Winder. Runs the 40 in 4.8.

PAUL RODGERS, 5-11, 175, RB, DAINGERFIELD... Class AAA All-State tailback... named to Longview Morning Journal and Texas County Gazette All-District 7-AAA teams... District 7-AAA "Offensive Player of the Year"... rushed for 1,570 yards on 153 carries as senior... scored 20 touchdowns... lettered two years in football and track... runs 9.7 in the 100 yard dash... also runs 220 and on sprint medley relay team... coached in high school by Dennis Alexander.

WES HIGHTOWER, 6-1, 197, RB, DALLAS (BISHOP DUNNE)... Two-time TCIL "Offensive Player of the Year" in District 2-AAA... All-Metro two years and All-State two years... team captain senior year... also plays baseball and runs track... All District 1 in baseball and twice in football... rushed for 1,275 yards as senior and scored 23 touchdowns... plays centerfield in baseball and hit .385 last year... runs on sprint medley relay team and long jumps in track... played defensive end on defense... coached in high school by Buddy Henderson.

TED WATTS, 6-0, 171, S, TARPON SPRINGS, FLORIDA... Sun County (Fla.)... "Player of the Year" as senior... All-Sun Co. defensive back two years... named "Outstanding Player of the Game" four times last season... tabbed "Key Player" in district championship clinching game last year... played in Florida high school All-Star game after senior season... lettered three years in both football and track.

JEFF CROMBIE, 6-4, 220, DE, ODESSA... All-South Plains and All-District 5-AAAA defensive end... made over 100 tackles last fall... lettered two years in football and three in track... throws shot put and discus on track team... member of national chapter of FCA... runs 40 in 5.0. Coached in high school by Dick Winder.

DAVID WEST, 6-4, 210, DT, HURST (BELL)... All-Area, All-Tarrant County and All-District 6-AAAA defensive tackle as senior in high school... three-year letterman in football, two in track and one in basketball... throws shot and discus in track and plays forward in basketball... recipient of Optimist Club "Texas of the Month" award and American Legion "Scholarship and Leadership" award... member of who's who in football... member of Bell High's "Senior Superlatives"... member of national junior society... has 2.75 grade point average out of possible 3.00... junior class president... president of FCA... member of Bell High's Interclub Council... coached in high school by Tim Edwards.

MIKE STEWART, 6-4, 250, DL, STAFFORD (DULLES)... All-State, All-Greater Houston and All-District 24-AAAA noseguard in high school... made more than 100 tackles senior year... lettered three years in football... throwing shot put this spring on track team... coached in high school by David Gibson.

RANDY HUDSON, 6-4, 235, C, ARLINGTON (SAM HOUSTON)... All-State Super Team member, All-Tarrant County, All-Greater Dallas, All-Metro and All-District 8-AAAA as senior at center... named "Best Offensive Line-man" at Sam Houston... nicknamed "Topo"... high school won 29 and lost only four in his three years in high school... lettered three years in football... coached in high school by James Hayden.

TOM RANDOL, 6-4, 240, DT, SAN ANTONIO (CHURCHHILL)... All-City and All-District 32-AAAA as senior in high school at defensive tackle... played on 1977 state championship team... high school won 32 and lost only three while he was on team... coached in high school by Jerry Comalander.

VICTOR WHITE, 6-3, 212, DE, ALBUQUERQUE, N.M. (DEL NORTE)... All-State, All-City and All-District 2-AAAA at defensive end... made 51 unassisted tackles and 48 assists last year... runs 40 in 4.8... member of senior senate at his high school... played on state playoff team as sophomore... team record was 24-6-1 in his three years on the team.

RANDY PAGE, 6-0, 175, QB, OKLAHOMA CITY, OKLAHOMA, (SOUTH-EAST)... Oklahoma blue chipper at quarterback... All-State, All-Capital Conference as a senior... Oklahoma City "Back of the Year" last year... member of high school chapter of FCA... accounted for more than 2,700 yards total offense in 1977... averaged 6.2 yards per carry rushing... passed for more than 1,800 yards... completed 58 per cent of his passes... rushed for 17 touchdowns and passed for six... started all four years in high school... lettered four years in football and basketball... selected to Tulsa World All-State team... runs 40 in 4.7.

MARK MULLEN, 6-3, 230, OG-DE, SAN ANGELO (CENTRAL)... All-South Plains and All-District 5-AAAA on both offensive and defensive teams... runs 40 in 4.9... also plays basketball... lettered three years in high school... Central High won 18 and lost 12 while Mullen was on team... coached by Smitty Hill.

KENNETH JAMES, 5-11, 188, RB-DB, LUBBOCK (DUNBAR)... Honorable mention on All-District 3-AAA as a senior in high school... has 4.6 speed in the 40... runs 100 yd. dash in 9.6... rushed for 951 yards on 150 carries and scored 10 TD's as a junior and gained 695 yds. on 89 carries and scored 12 TD's as a senior... started every game since he was a sophomore... once caught three touchdowns in a game when he had broken bones in his hand... as a defensive back he made 72 tackles and 16 assists and intercepted four passes... averaged 38.0 yards as a punter... coached in high school by Van Jefferson.

C. M. PIER, 6-1, 195, LB, PLANO... Second team All-State selection at Linebacker senior season... played on 1977 State championship team... All Metro and All-District 13-AAAA at linebacker... "Most Valuable Defensive Player" in district also as senior... made over 100 tackles last season... lettered three years in football and one in wrestling... runs 40 in 4.7... Wildcats won 29, lost four and tied three while Pier was on team won 13, lost one and tied one in 1977... High School Coach, Tim Kimbrough.

RICK KEMPF, 6-1, 210, LB, BOONESVILLE, MISSOURI... Junior College All-American at Independence (Kansas) JC... made 147 tackles as sophomore and 120 tackles as freshman in junior college... All-Jayhawk JC conference as both freshman and sophomore... led junior college to Wool Bowl game with New Mexico Military Inst. last year... two-time All-State, All-Missouri River Valley Conference... and All-District 4-AAA in high school... made all-conf at fullback senior year in high school after averaging 6.8 yds. per carry... lettered three years in football, basketball, and track in high school... won 27 and lost six while Kempf played in high school... He was president of both junior and senior classes. Coached in junior college by John Salavantis.

GEORGE SMITHERMAN, 6-2, 260, OG, NEWARK, N.J.... Junior College transfer from Independence Community College in Kansas... High school All-American... lettered four years in high school... runs 40 in 4.9... high school won city championship in 1976 with 6-3 record... junior college was co-champions of conference and made appearance in 1977 Wool Bowl in Roswell, N.M... coached in high school by Bernie Adams and in junior college by John Salavantis.

MAURY BUFORD, 6-1, 180, P, MOUNT PLEASANT... All-District punter senior year in high school despite broken arm... made all-district both as a junior and as a senior... as a junior, made all-district as defensive back... national honor society and student council member... had 42.0 average punting last season... longest punt was 82 yards... coached in high school by Donnie Lawrence.

TATE RANDLE, 6-1, 185, QB-S, FORT STOCKTON... All-State selection at safety senior season... also named to All-West Texas, All-South Plains and All-District 2-AAA teams at safety... named all-district twice... runnerup to Booger Brooks as all-district quarterback... intercepted 26 passes in last two years in high school... lettered two years in football... runs 40 in 4.7... best play came on 60-yard TD run as quarterback against Fabens... high school team won 13, lost five and tied two in his two years on team. Coached in high school by John Blocker.

RON REEVES, 6-1, 215, QB-LB, LUBBOCK (MONTEREY)... Second team All-State quarterback senior year... Also named All-South Plains and All-District 4-AAAA two years in a row... district's "Player of the Year" as both a junior and senior... Lubbock "Player of the Year" as senior... rushed for 1,145 yards on 213 carries and passed for 1,128 yards completing 69 of 168... threw only four interceptions... passed for eight touchdowns... scored 133 points... also kicked extra points and field goals... three-year letterman and starter at Monterey... while at Monterey, Plainsmen won outright district championships, shared one district championship, qualified for state quarterfinals and qualified for state semifinals... in three years Monterey won 31, lost five and tied one... runs 40 in 4.9... coached by James Odom.

KEVIN KOLBYE, 6-5, 210, TE, CARROLLTON (FARMERS BRANCH)... Listed on Texas Football's blue chip list at tight end... All-Greater Dallas at tight end as a junior and All-District 9-AAAA as a senior... caught 52 passes for 811 yards in his three years in high school... averaged 13.5 yards per catch... scored eight touchdowns in high school career... high school went 21-9 while Kolbye was a player there. Farmers Branch went 10-1 last season and won the district championship... runs 40 in 4.9... coached in high school by Joe Crousen.

MIKE JACKSON, 5-11, 170, S-SE, HOUSTON (LEE)... Led Houston in pass receiving as junior with more than 780 yards on 48 catches... selected to All-City team as junior and was named to All-District 18-AAAA team as both a junior and a senior... caught 22 passes for 469 yards as senior and scored four touchdowns... also runs track... runs 220 in 22.0 and 440 in 48.8... B-student... runs 40 in 4.5... lettered three years in both football and track... played on regional final stream as sophomore... coached in high school by Robert Harrison.

LEWIS WASHINGTON, 6-0, 198, FB-LB, KERENES... All-District 17-A last two years at fullback and linebacker... runs 40 in 4.6... lettered four years in football, basketball and track... runs 100, 200 and on sprint medley relay... also namefall-district in basketball... student council member... ranked in top ten per cent of class.

GREG ISERAL, 6-1, 190, DB, LUBBOCK (MONTEREY)... Named to All-City and All-South Plains teams as both junior and senior... selected to All-District 4-AAAA squad as a senior... intercepted 10 passes as junior and swiped four as a senior... missed four games senior year... made 84 tackles last year... also runs track... runs 440 and on mile relay team... won district championship in 440 yard dash last year... two-year letterman in football and three in track... vice-president of Monterey huddle of FCA and senior class... runs 40 in 4.8... Monterey won 24 lost 2 and tied one with Isearal on team... Plainsmen won two district championships, qualified for state semifinals one year and qualified for state... quarterfinals the other... coached in high school by James Odom.

DARRYL GREEN, 6-0, 185, QB-S, ROCKPORT... Second team All-State defensive back senior year in high school... All-District 15-AAA first team on defense and second team on offense... plays guard on basketball team and runs track... lettered four years in football, basketball and track... coached in high school by Vollie Williams.

PHIL WEATHERALL, 6-0, 180, RB, GREENVILLE... All-District 13-AAAA running back as senior... rushed for over 1,100 yards and scored 18 touchdowns as a senior... plays forward on basketball team and runs a 9.6 in the 100, runs 4.5 in the 40... National Honor Society student... lettered three years in football, basketball and track... president of junior class in high school. Coached in high school by Pittman Keen.

1978 TEXAS TECH FOOTBALL SCHEDULE

Sept. 9	USC	Los Angeles
Sept. 16	Open	
Sept. 23	Arizona	Lubbock
Sept. 30	Texas	Lubbock
Oct. 7	Texas A&M	College Station
Oct. 14	New Mexico	Albuquerque
Oct. 21	Rice	Houston
Oct. 28	Open	
Nov. 4	Baylor	Lubbock
Nov. 11	TCU	Fort Worth
Nov. 18	SMU	Lubbock
Nov. 25	Houston	Lubbock
Dec. 2	Arkansas	Fayetteville

Basketball Team Ends Season With 19-10 Record

The tradition of excellence that coach Gerald Myers has maintained during his eight-year stint as Texas Tech's head basketball coach was upheld by the 1977-78 team.

The Red Raider five finished with a 19-10 season record, and its 10-6 Southwest Conference record was good enough for a fourth-place finish.

"I'm very pleased with the season as a whole," Myers said. "Of course, I would have liked to have done better in the playoffs but this team doesn't have anything to be ashamed of."

Only a late-season slump kept Myers from chalking up his third consecutive 20-victory season, a feat never before accomplished by a Southwest Conference member. However, for the sixth straight year, Tech reached double figures in the win column in SWC play.

Senior forward Mike Russell was the brightest star in the Raiders' fold. The 6-7 native of Buffalo, N.Y., lived up to pre-season billing by leading the team in scoring and rebounding.

"Mike proved a person doesn't necessarily have to have 6-10 height to be dominate inside," Myers said. "He more than makes up for any lack of height with effort and determination. We'll miss him."

Russell pumped in 19.6 points and hauled down 8.1 rebounds a game, gaining All-Southwest Conference recognition for the second consecutive season. He closed out his career in style against Houston in the second round of the SWC Tournament, hitting 11 of 22 shots from the field and 12 of 13 free throws for a total of 34 points—a Tech high for the year. Add 18 rebounds—another club seasonal high—and it's easy to see what

size shoes will have to be filled next year.

The man with the shoe horn is expected to be Kent Williams, pure shooter from Hobbs, N.M. Tech's 10 defeats all came at the hands of teams to qualify for the NCAA playoffs, and there are those who think the Red Raiders would have been there if the 6-5 sophomore hadn't been hampered by a broken jaw late in the season.

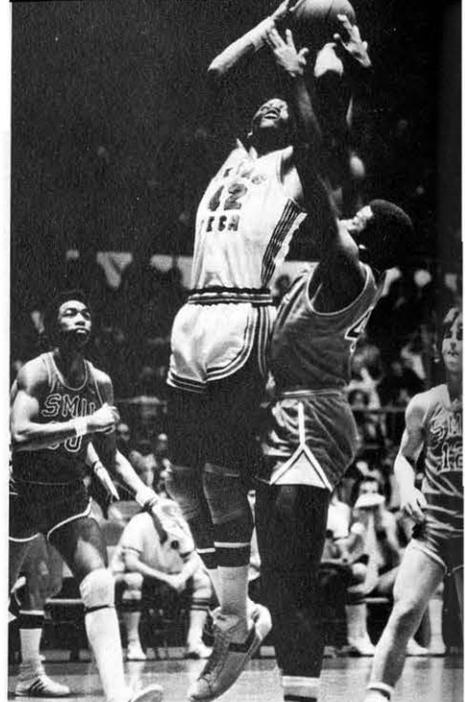
"Kent was instrumental in attacking zone defenses," Myers explained. "He has such a tremendous touch that people would think twice before trying to zone us. He kept them honest."

Williams was injured in the Texas A&M game Feb. 11 and he missed the next two games—Houston and Texas—both of which were losses. He played sparingly in the Raiders' third consecutive defeat, a regular-season ending contest at Arkansas but wrapped in a mask similar to that of a baseball catcher's, he played 29 minutes in Tech's 78-70 victory over the Aggies in the first round of the SWC Tournament.

And he hit his stride in the finale against Houston, which went on to win the tourney, by tossing in eight of 11 shots in a 93-82 loss. Kent finished with a 13.6 scoring average and led the club with a sizzling .785 free throw percentage, canning 62 of 79 attempts.

Guard Mike Edwards, the only other senior besides Russell on the team, finished strong the last half of the season to post a 9.4 average. However, during the final 14 games he poured in over 11 points an outing. He helped inside, too, pulling down 137 rebounds for the season, which placed him third on the team.

Junior guard Geoff Huston overcame an early ankle injury to



make his presence known in SWC play. Hidden in his 8.6 scoring average is the fact he pumped in 11.6 points in the Raiders' last 19 contests, and his ball-handling abilities were a key factor in going against the full-court press. The 6-1 Brooklyn native also wound up tops in the assist department with 84.

Russell's move from center to forward opened the door for 6-9 junior Joe Baxter at post. The junior college transfer, noted for his physical play, was second on the club in rebounds with 151 (5.2 average) and he added 6.1 points.

Three other players contributed heavily to the Raiders' scheme: junior guard Tommy Parks, sophomore guard Thad Sanders and freshman forward Ralph Brewster.

Parks, from Fort Worth, saw considerable action in the early going. His quickness brought an air of excitement to the game, and his 40 steals almost doubled the next closest Raider. He had five in the opening game against Oklahoma Baptist, and a like number in the clutch playoff victory over A&M.

Tech averaged 70.5 points a game, and as usual, Myers' ideals of taking the high percentage shot hit home. The Raiders shot 48.7 from the field, compared to their opponents' 46.8.

NO-LOSS

Philanthropy is characteristic of Americans. Planned giving can greatly enhance the impact of your gift. The Texas Tech Ex-Students Association Endowment Trust was created to help Ex-Students and other Friends of Texas Tech provide permanent support of worthy programs.

Endowment simply means funds permanently invested to earn more dollars. The income earned from the investment may be used to support such worthy programs as scholarships, research, student aid or other places where the need is greater.

The Texas Tech Ex-Students Association Endowment Trust was established where individuals, groups or corporations can make gifts that will be lasting. It provides the donor an opportunity to pick a particular area in which his gift will continuously work to benefit the purpose he selects or if he wishes, he can let the Trustees determine an area where the need is the greatest.

Gifts to the Endowment Trust may be of different types:

- Gifts of cash
- Your gift can be appreciated securities, either given now or at a time you determine.
- You may give a paid up insurance policy or one you agree to continue to pay the premiums for
- The Endowment Trust will readily accept gifts or pledges, such as an amount of cotton, grain, land or any form of real property.
- You may choose to give oil leases, overrides, oil royalties or other forms of minerals.
- Many have already chosen to make a bequest through their Will.

We anticipate that many contributors to the Endowment Trust will want to consult their accountant, attorney or other financial advisory prior to making a commitment. For credit on 1978 income tax, gifts must be received by December 31, 1978.

You may receive information on the many ways the Texas Tech Ex-Students Association Endowment Trust can aid you by completing the coupon and sending it in.

GIVING

Name _____ Class _____

Address _____ Phone _____

City _____ State _____ Zip _____

Please send me information
on endowment

Texas Tech Ex-Students Association Endowment Trust
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Texas Tech University
Lubbock, Texas 79409

TEXAS TECH EX-STUDENTS ASSOCIATION ENDOWMENT TRUST

Thank you for making The Century Club today's "in" club.



In 1977 membership in the Texas Tech Century Club was awarded 148 individuals and couples for the first time. They become eligible for membership by making a gift of \$100.00 or more to the Texas Tech Loyalty Fund.

As the Century Club continues to grow in 1978, we hope that you will add your name to the list of hundreds of other Texas Tech Exes and friends of the University who regularly make a gift of \$100.00 or more annually to the tax-deductible Texas Tech Loyalty Fund.

Those who were awarded membership in 1977 for the first time include:

TEXAS CITIES

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Mr. Samuel Ray Cummings
Mr. Jerry Duane Davis
Mrs. Alvin Dell
Mr. Kenneth Dale Durrett
Judge James Ellis
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Abilene
Mr. Robert L. McMillan
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Mr. & Mrs. James L. Leary
Mr. & Mrs. Ronald Rone

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Dwight Sidney Neas
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Mississippi, Jackson
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New Mexico, Albuquerque
Mr. Gary Duane Stillwell
New York, NY
Capt. William V. Anderson
Mr. Jimmy Frank Barton
Capt. Mark Daniel Gunn
Mr. Stephen Blaire Stine
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City
Mr. & Mrs. Donald Lee Henderson,
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Mr. & Mrs. P. R. Jackson, Guyman
Mr. Jerry Selfridge, Blanchard
Pennsylvania, Greenville
Mr. Hugh Fewin
Virginia
Col. & Mrs. David P. Blackbird
Mr. Jim Tom Casey

Tech Today

Special Endowment Fund Honors Haskell Taylor

The Texas Tech Tax Institute has honored the guiding force of its 25 years of existence, Accounting Prof. Haskell G. Taylor '36, with the creation of a special endowment fund.

Announcement of the "Haskell G. Taylor Endowment in Taxation" was made last fall.

Income from the endowment will aid in attracting professors to the program Taylor was instrumental in establishing, the Tech Master of Science in Accounting with a concentration in taxation.

Except for two interruptions to serve in the military, Taylor's teaching career has spanned 41 years at Texas Tech University.

Except for the year he was Institute president, Taylor has been institute secretary-treasurer and executive director each of the last 25 years.

Entering his 42nd year as a teacher in the College of Business Administration's Area of Accounting, Taylor plans to retire in August.

Taylor's efforts in accounting and the

tax institute, which now draws 350-plus participants annually, have resulted in the new M. S. degree in accounting, with taxation emphasis. The program is aimed at practicing CPA's and offers many courses during evening hours.

The Haskell G. Taylor Endowment in Taxation will support this program by supplementing professors' salaries and providing other program needs.

New Contract Transfers \$4 Million to Hospital

After receiving assurances that tax support for the Health Sciences Center Hospital in Lubbock would not be reduced, the Coordinating Board, Texas College and University System, approved a contract transferring \$4 million in state funds to the Lubbock County Hospital District.

A total of \$8 million was appropriated during the past legislative session to offset costs borne by the hospital in light of the use of its facilities by the Texas Tech University School of Medicine.

Several coordinating board members asked for assurances that the hospital district would not consider reducing its

taxes after receiving the state money.

Medical school and hospital district officials, however, assured the board members that no such tax reduction is planned.

The contract, in fact, requires that the hospital district tax effort not be eased as a result of the transfer of state funds to the hospital.

In recommending approval of the contract, board member Betty Jo Hay of Dallas said the agreement includes a number of commitments "for effective organization and management, fiscal accountability," and an understanding on how hospital services are to be shared with the medical school.

Mrs. Hays noted that the contract is for one year only and then another contract will have to be negotiated for fiscal year 1979, with the negotiation to be based on the district's 1978 performance.

The board then voted unanimously to allow the commissioner of higher education to execute the contract with the Lubbock hospital.

Class of '49 Leads List of Contributors

The Class of 1949 led all classes in the total amount contributed to the 1977 Loyalty Fund with gifts totaling \$10,197.84.

It edged out the Class of 1950 which contributed \$9,607.54. Other top classes were 1954 with \$8,419.33; 1957—\$6,305.50; 1962—\$5,612.16.

The Class of 1976 led all classes with the number of gifts with 733. Second was the Class of 1975 with 365 and 1950 was third with 242.

The Class of 1954 led all classes with the largest average size gift with \$88.63. The Class of 1926 edged out the Class of 1937 \$57.50 to \$52.19 for second and third place.

A total of 38 classes had gifts above the \$28.40 average size gift for all gifts received in 1977. (When a couple sends in a check, it is divided between both husband and wife and counts as two gifts).

The average size of gift has increased from \$9.83 in 1966 to \$28.40 in 1977.

District 7 (Lubbock County) led all 39 Association Districts in both the total amount (\$33,510.15) and the number of gifts 1,090.

District 26 (26 counties in the Houston area) topped second place District 16 (Dallas, Rockwall and Kaufman Counties) for the second time in both

Class of 28 Slates Reunion on May 12

The Class of 1928, Tech's second graduating class, will have its 50th Anniversary Class Reunion May 12 on the Tech Campus.

Mrs. Sylva (Wilson) Wesendonk '27 of Lubbock and W. W. Nicklaus '28 of Amarillo are co-chairmen of the Reunion.

There were 95 persons who received degrees from Tech in 1928. The committee has been in touch with 51 of those who are still living. They are still searching for 27 members of the class for whom no addresses are available.

Activities planned for the returning classmates include a luncheon and a special slide show. Everyone who was in Tech when the Class was here will be invited to a reception honoring the class. Members of the class will be invited to attend Commencement activities that evening.

Members of the Class of 1927 will also be invited to return again to the Campus to help honor this year's 50 Year Anniversary Class at the luncheon.

Anyone having any information on the whereabouts of the following mem-

bers of the Class are encouraged to contact the Ex-Students Association.

Mary Lottie Arwine
Claborn Jefferson Bell, Jr.
James Bradford Biggers
Ella Brown
Gusceita Leslie Cude
Florence Guenzel Dodson
Giles Levi Farrar
Dan S. Gillean
M. Zed Glimp
Juanita Haney
Pearl Lee Harper
Charles Brian Head
Perry Campbell Holder
Norma Hulme
Tom Morrison
Guy Edgar Orr
Marvin Pynes
Virginia Massey Rogers
Matthew Shepherd
Eula Raye Simmons
Rena Smith
William McBee Tucker
Frances Thomas Van Pelt
Lorelle Wallace
Louise Warren
Elizabeth Thompson Wedgeworth
Williams James Wylie

total amount of gifts and the number of gifts. A total of 662 Exes in District 26 made gifts totaling \$17,938.69 while 577 Exes in No. 16 made gifts of \$13,891.72. District 15 (Tarrant County) was third with 353 gifts for \$9,736.73.

District 31 (Southern New Mexico) led all Districts with an average size gift of \$55.75. In second place was District 27 (Beaumont area) with \$44.97 with District 2 (northeast Panhandle counties) with \$42.58. A total of 14 Districts had average gifts above the \$28.40 average for all gifts.

Wayne James has pointed out that the new data processing system to be installed this spring will make it possible for individual solicitations by classes and districts for all of them for the first time. James stated that with this in effect the Loyalty Fund should take on one of its biggest growths in 1978.

Tech's Moot Court Team Places Fifth in Nation

The Moot Court team of Texas Tech University reached the quarterfinals of moot court competition in New York City in mid-December.

Twenty-nine teams from the nation's top law schools were involved in the national finals, sponsored by the Young Lawyers Association of the Bar of New York City.

Texas Tech's Moot Court team is made up of Randal R. Moore of Frost and Houston, David Hamilton of Lubbock and legal brief writer Kerwin B. Stephens of Gustine, all third-year law students. Donald M. Hunt, adjunct professor in the Texas Tech law school, is team coach.

Attainment of the quarterfinals ranks the Tech team about fifth in the nation. The winning team represented the Dickerson School of Law in Carlisle, Penn. Arizona State University captured second place and The University of Texas scored as semifinalists.

In moot court competition a hypothetical case is presented as if to an appeals court, with one team appealing

and the other defending a decision. The issue involved in this year's competition concerned the rights of associate lawyers in a firm to unionize.

The Texas Tech team earned the right to compete at the national level by remaining undefeated in the regional meet in Austin in October. This is the third time since 1969 that a Texas Tech team earned the right to compete nationally.

Satellite Offers Better Programming Flexibility

Installation of a satellite receiving system at KTXT-TV, Texas Tech University's educational channel has been completed.

The system provides transmission of improved pictures and more flexible programming for viewers.

Station manager John W. Henson said the real value of the installation, to be completed and operational, lies in its potential.

"It means," Henson said, "that we can receive four programs at one time instead of two and that we will transmit with a better signal."

"The reception of four programs at one time will permit us to video tape more programs for delayed broadcast and permit us flexibility in scheduling to given viewers of this area more convenient times to such programs."

With the new antenna, resembling a radar dish, the station can choose from several programs being transmitted by PBS by satellite and fit them into its educational services, as well as into programming for general viewing.

Aggie Pavilion Slated for Fall 1978 Opening

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, 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.

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 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 area.

Architecture Receives Accreditation Extension

The division of Architecture at Texas Tech University has been advised that its accreditation is extended for the next five years until 1982.

For accreditation the National Architectural Accrediting Board reviews a school's curriculum, resources and programs. The board includes representatives named by the American Institute of Architects, the Association of Collegiate Schools of Architecture and the National Council of Architectural Registration Boards.

The accreditation, for the student, means that a graduate can expect to qualify for registration as an architect within three years. Graduates of un-

Dr. Camille G. Bell, professor and chairperson of Home Economics Education at Texas Tech University, was recently named "Home Economist of the Year" by the Texas Home Economics Association. "I love Texas Tech University and vocational home economics education. I believe I have a job with a purpose and it is exciting," Bell said.





Recipients of the first annual Awards for Excellence at Texas Tech University were (from left): Guillermo L. Franco, foreman, Grounds Maintenance, outstanding supervisor; Betty V. Massey, budget analyst, Budget Office, outstanding employee; and Marvin S. Buckberry, director, Building Maintenance and Utilities, outstanding administrative employee. (Photo by Dan English)

accredited institutions often have to spend four years working before qualifying for registration.

Architecture first was taught at Texas Tech in 1928. The accreditation program began about 30 years ago, and Tech's program in architecture has been accredited continuously since 1957.

The division offers four options to students. They are design, structures, urban design and history of architecture. The graduate earns a five-year professional degree, Bachelor of Architecture. It requires approximately 170 hours of academic work.

Lawrence Garvin Named Architecture Assoc. Dean

The appointment of W. Lawrence Garvin, nationally recognized architect and planner, as associate dean of architecture in the Texas Tech University College of Engineering was announced recently by Engineering Dean John R. Bradford.

Garvin also was named chairperson of the Division of Architecture and professor with tenure in that division.

Garvin has been coordinator of physical planning for nine campuses of the University of California since 1973. He also has worked in planning for the Harvard Medical School and the Massachusetts Institute of Technology. He was on the faculty in the Clemson University School of Architecture and has been an architect in private practice.

He succeeds Prof. Nolan E. Barrick, who has served as chairperson in architecture since 1953. Barrick is returning to full time teaching.

Garvin's appointment became effective January 1.

Garvin holds degrees from Washington and Lee University, where he earned the bachelor of science in physics, from Ohio State University, where he was granted the bachelor's degree in architecture, and from MIT, which awarded him the master's degree in architecture.

He is professionally certified by the National Council of Architectural Registration Boards and is a registered architect in the states of California, Massachusetts, Ohio, South Carolina and West Virginia. He also is certified as a fallout shelter analyst.

For two years, while working as assistant to the dean for architectural planning and director of the Planning Office for the Harvard Medical School, Garvin also served as visiting critic at Harvard Graduate School of Design. He has had numerous articles published in professional schools.

Recipients Named for Awards for Excellence

Recipients of the first annual Awards for Excellence at Texas Tech University were named in December.

The six awards were presented to outstanding employees from various levels of the university and the Texas Tech University School of Medicine.

University recipients were Betty V. Massey, budget analyst II, Budget Office, outstanding employee; Guillermo L. Franco, foreman, Grounds Maintenance, outstanding supervisor; and Marvin S. Buckberry, director, Building Maintenance and Utilities, outstanding administrative employee.

Medical school recipients were Carrie Larkin, administrative services officer, Regional Academic Health Center, Amarillo, outstanding employee; Thomas R. Blackburn, assistant director, purchasing, Purchasing Office, outstanding supervisor; and Merron H. Teague, registrar, office of the Registrar, outstanding administrative employee.

Area Engineers Benefit from Extension Courses

Thirty-five engineers in West Texas and eastern New Mexico are taking advantage of opportunities this spring semester to enroll in one of the three off-

campus courses offered by the Division of Continuing Engineering Education of Texas Tech University.

One course is being offered on the campus of Amarillo College, two on the campus of Frank Phillips College in Borger.

The program leads to the master's degree in engineering and is used primarily by practicing engineers seeking professional development. Because degree requirements can be completed off campus, engineers can remain on the job and at home.

Forty-eight engineers have earned the master's degree through the program. A total of 1,614 individuals have enrolled in the program since it began in 1966.

Odessa Chosen for New Academic Health Center

The city of Odessa was chosen by the Texas Tech University Board of Regents to be the site of a new regional academic health center to serve the Permian Basin.

Their action culminated 10 weeks of intense efforts by the three Permian Basin cities bidding for the center—Odessa, Midland and Big Spring.

The Board made its choice after studying formal written proposals made Dec. 20 and listening to oral presentations made Thursday by the respective cities.

Before voting on the issue, regents heard Texas Tech University president Dr. Cecil Mackey recommend Odessa as the site of the medical school. Mackey said he made the recommendation on the advice of Dr. Richard Lockwood, vice president of Texas Tech Medical School and Dr. George A. Tyner, dean of the Tech Medical School.

After Mackey's recommendation, board member Charles Scruggs made a motion that the board designate Odessa as the site for the academic facility. Board member Robert Pfluger seconded the motion and opened discussion by saying "Odessa offers the best for the medical education."

The motion passed by a four-one vote. Two members of the board of regents abstained and one was absent.

Voting for establishment of the Tech medical training center were regents Scruggs, Clint Formby, Pfluger and James Snyder. A. J. Kemp voted against the motion.

Abstaining from the vote were Roy K. Furr, who said he had reservations about establishing a new center, and Don Workman, a candidate for the 28th state senatorial district seat. Workman said he was abstaining for "political reasons," noting that Odessa is in the district he seeks to represent and Midland and Big Spring are not.

The Odessa center will be the third such facility affiliated with the medical school. There already are regional

health centers in El Paso and Amarillo which help train medical students and provide continuing education for area physicians.

With site selection completed, Texas Tech and Odessa officials will begin planning the next phase of the center's development. The University plans to request construction funds for the center from the legislature when it convenes in regular session in 1979.

Art Roberts, President of the Odessa Chamber of Commerce, pointed out that since receiving notice in November 20 that Tech would build an academic medical facility in the Permian Basin, Odessa had:

—Raised \$325,000 for a development fund to be made available to the Texas Tech School of Medicine to support their teaching efforts.

—Gathered 24,000 signatures of support.

—Acquired 6.1 acres of land immediately adjacent to Medical Center Hospital.

—Prepared a 134-page presentation documenting all requirements made by Texas Tech Medical School officials.

Women Ag Students Increase Nationally

Ask any farm or ranch wife from yesteryear, and she'll tell you agriculture is a woman's world—tending chickens, milking a cow, and even helping in the fields.

Agriculture still is a woman's world, but in a way grandma never dreamed possible.

Coeds are studying everything from agricultural engineering to animal science and, what's more, they're landing good jobs.

In Texas Tech University's College of Agricultural Sciences 270 undergraduate women are enrolled in nine departments, and another 27 are in graduate programs. The number represents 18 per cent of the 1,505 undergraduate total and 15 per cent of the 180 graduate students.

The largest numbers are studying animal science, plant and soil sciences and park administration or landscape architecture.

Dr. William F. Bennett, associate dean of the Texas Tech College of Agricultural Sciences, said that nationally more than 30 per cent of the agricultural sciences students in higher education are women.

The high percentage, he said, is accounted for primarily in that natural resource management and environmental sciences are areas included in colleges of agriculture in many schools. These are particularly attractive to women, he said, and in some eastern schools more than half the students enrolled are female.

The first person to earn the doctor of



Pictured is Happy VI, a 12-year-old black quarterhorse, and masked rider Larry Cade. Happy VI replaced the 17-year-old Happy V who died on November 15. Happy VI is totally black and stands at 17 and one-half hands. He made his debut at the Tech-Arkansas game on National TV Thanksgiving Day. Happy VI was donated to Tech by Mrs. Ann Burnett Tandy, owner of the 6666 Ranch.

philosophy degree in agricultural sciences at Texas Tech was a woman, Dr. Margaret Briley. Her primary interest was animal nutrition. She received the degree in 1973 and then joined the Texas Christian University faculty.

Helen Howe, KDAV radio farm director, is a graduate in animal science, and she was the first woman radio farm director in Texas. She was awarded her degree in '73.

Of the 270 undergraduate women students in Texas Tech's College of Agricultural Sciences, 12 are in agricultural economics, four in agricultural engineering, 59 in animal science, eight in entomology, seven in food technology, 59 in park administration and landscape architecture, 76 in plant and soil sciences, 32 in range and wildlife management, and 12 have not declared majors.

Of those in plant and soil sciences, Bennett said, most are majoring in horticulture.

Furman Vinson Chosen Grand Master of Masons

Roy Furman Vinson, '41, farmer and rancher in the Flomot Community near Matador, was recently installed as Grand Master of Texas Masons.

In this position, Vinson is head of the 222,161 masons and 977 lodges in Texas. Vinson became a member of the fraternity in 1946. He has held all offices of the fraternity and received practically every honor that can be bestowed on a member.

Vinson was a member of the Class of '41 at Tech and is currently an Associa-



tion District Representative. He is the first Tech Ex to head the Masonic body and one of a very few of the 139 persons that have held the post that lived in West Texas.

Southern Calif. Chapter Elects New Officers

Glenn Reynolds '59, was elected President of the Southern California Chapter of Tech Exes at the groups annual meeting February 25. Miss Vera Culwell '44 is outgoing President.

Kenneth P. Dowell '44, was elected Secretary-Treasurer. Directors include Miss Culwell, George Holmes '55, William Shook '50 and Mrs. Marilyn (Fry) Slough '40.

Dean of Engineering Dr. John R. Bradford '42 and Executive Director Wayne James '57 spoke to the approximately 85 persons that attended the dinner-meeting at Don-The-Beachcomber's at Marina Del Rey.

6666 Ranch Donates New Mascot for Tech

Happy VI, the new Red Raider mascot, made his debut Thanksgiving Day, with the masked Red Raider guiding him at a full gallop around the Texas Tech University football stadium.

The 13-year-old Happy VI is successor to Happy V who died last fall.

The jet black gelding is a gift to Texas Tech from Anne Burnett Tandy and her 6666 Ranch.

Clarence Scarbauer, Jr. of Midland made a gift of Happy V. Charcoal Cody, loaned as the mascot for several years, was owned by Bill Price of Lubbock.

Among recent mascots only one was a mare. Tech Beauty produced two foals during her reign as the Red Raider's mount.

Board Votes Down Alcohol on Campus

For the fifth time in four years, Texas Tech's Board of Regents has voted down a proposal which would have allowed the consumption of alcoholic beverages on campus.

With a minimum of discussion, the Board, at its February meeting, voted 7-1 against a Student Association (SA) proposal to sell beer and wine in a designated portion of the University Center.

The proposal, presented to the Board by SA President Chuck Campbell, called for the establishment of a coffeehouse-pub in the basement of the UC.

The pub would have offered food, beer, wine and soft drinks, with the alcoholic beverages being served after class hours and on weekends.

Only Regent Roy K. Furr Jr. voted in favor of the students' proposal. All other board members voted against it, including Clint Formby of Hereford who in previous years had voted to support alcohol on campus.

Following the vote, a disappointed Campbell said he felt the Board's decision reflected the regents' unwillingness to listen to the people who associate and work with students everyday—"namely the student government and the administration."

Tech President Cecil Mackey had recommended to the regents that they support the SA proposal.

Campbell said the regents "don't know the students of this university. They know they're conservative, but they don't know why."

A campaign against the sale of alcohol on campus had been launched in the last few weeks before the vote by parents and students who sent letters and telephoned board members in addition to circulating petitions against the proposed pub.

Both Board Chairman Judson Williams of El Paso and Formby noted the pressure put on them to vote against the alcohol proposal, and both members said they "resented" it.

Williams said he could appreciate those with an opposite viewpoint expressing their opinions but he felt the anti-liquor drive was a "generated campaign on moral and religious issues" and one which he "resented heartily."

Formby, too, said he "frankly re-

sented" the tactics used by anti-alcohol forces such as phone calls and letters, many he characterized as "intimidating." Formby said Friday's alcohol vote was "one of the most difficult votes I've ever had to make on this board."

Regent J. Fred Bucy, however, called the SA proposal and presentation a "smooth PR (public relations) job" that the SA was "trying to run through here (the board)."

He added that he received many letters from parents, and while he realized the letter-writing was an organized anti-alcohol campaign, he did not receive one letter from a parent who wanted alcohol on the Tech campus.

"If the kids want to go to a school where they can get a drink on campus there are plenty of them. But there is only one place where they can't."

In a meeting with students the day before the Regents meeting the campus newspaper reported that President Mackey called the Student Association alcohol proposal "well prepared and approached in a sound way."

Since Mackey took over Tech presidential duties in 1976, he has consistently approved of student attempts to allow alcohol on campus, the paper pointed out.

Campbell told the regents the SA was trying to meet the students' wishes for alcohol on campus since the poll showed 86 percent of the student body favored the proposal. He also said the SA wanted to design a "safe and decent place for Tech students to gather without many of the pressures and problems found in (city) clubs."

"This proposal doesn't stem from past proposals," Campbell told the regents. "It's more than an issue of an empty room downstairs in the UC but an issue of the students' ability to be heard and seriously considered by the board."

Proposals to allow alcohol in the dorms and permit the sale of beer in the University Center have been soundly defeated by the board three times in the past four years.

On February 1, 1974 regents voted down legalization of alcohol in the dorms by a 5-3 vote. In May of 1975, the board defeated 7-1 and 6-2

liquor proposals by the Residence Halls Association (RHA) and the Student Association (SA).

The RHA requested private alcoholic consumption by students in dorm rooms and the SA asked for permission to sell beer in the University Center.

As proposed by Campbell the pub would be in "The Well", a 4,400 square foot room seating up to 250 persons in the basement of the UC. The projected date for completion of the pub would be January 1979 and the cost would be between \$75,000-\$90,000 to get the operation started, the campus newspaper reported.

SA President Chuck Campbell said The Well would have more of a coffeehouse atmosphere and would meet students' desire for "an area on campus which provides alcoholic beverages, quality entertainment, and opportunity for conversation in an atmosphere that is quieter and more relaxing than those in the city."

About 1,300 students packed the University Center Ballroom on Thursday following the Board's discussion to show their support for what they called the movement to "re-establish student rights on the Tech Campus."

What was designed as a meeting between students and the Student Association to discuss reaction to the recent rejection of the SA's alcohol-on-campus proposal, quickly turned into a two-hour rally for the rights of students and their ability to be heard by Tech's governing body.

"But the gut of the issue," SA President Chuck Campbell said, "is not alcohol, but the right of adults to make their own decisions and the right of adult students to be seriously considered by the governing body of this university."

Campbell said the students who are upset with the regents' decision, which he termed "a serious problem to the growth of this university in general," should act as responsible adults and make their dissatisfaction known through constructive means.

"I encourage you to write the regents, and, if you feel it is proper, speak to your parents and have them write the regents, too."

"But the real difference between legal adults and responsible adults," Campbell told the crowd, "is the privilege to vote where it would be most effective."

Noting that regent Don Workman is a Democratic candidate for the 28th State Senatorial District, Campbell urged students to register to vote in Lubbock County and vote in the May 6 primary as a demonstration of their political power.

Campbell pointed out that students are considering asking the Regents to reconsider the proposal at the Boards April meeting.

Class Notes

30 Bruce W. Reed and his wife enjoyed a trip to Ireland and Britain during the summer. London during the Jubilee celebration was quite an experience for them. They are presently living in Ft. Worth.

31 Mozelle (Treadaway) Fitzgerald has retired from teaching primary grades in Brownfield after 31 years. She has moved to Lubbock and is living in John Knox Village, which she likes very much.

George Thomas Morris, Jr. has retired from the Texas Highway Department at the cities of Odessa and Irving. He is now engaged in private engineering practice in Waco and vicinity. He also has a small ranch near Whitney which has turned out to be a hobby. He and his wife have two children and four grandchildren. His son Tom '56 has a machine shop in Kenner, near New Orleans, La.

Fred and Roma (Mullins '67) Pinkston are living in Lubbock. Roma went back to school after her first grandchild was born and got her degree in accounting. They have three sons who graduated from Tech and one daughter.

32 Graydon and Ora May (Haynie) '34 Ausmus have retired from the University of Alabama faculty after 32 years. They have spent the past year travelling, gardening, and reading.

Dr. Walter White retired in May of 1977 after a long and distinguished career as a practicing engineer and educator. He has returned to his farm in Walfsole, N. H. where he has investment interests.

33 William B. Caldwell retired in 1969 from the Foreign Service but has kept busy. He does quite a bit of volunteer work and is currently a volunteer with the Department of Patient/Employee relations for Doctors' Hospital in Coral Gables, Florida. He and his wife, Joss have two children.

Jackie Rogers Dell has just retired after 25 years as a secretary at Southwestern Life Insurance

Co. in Amarillo. Her husband, Alvin, retired in 1975 where he had been the Head of the Photographic Dept. at Amarillo College. The Dell's have two grandchildren now attending Tech.

34 Stell Ledger Giles is living in Abilene and has four children.

Donovan Stafford is the Amarillo Division Manager for Furr's Inc.

Ralph Davis and his wife are retired and spend much of the time traveling each year. His son, Jon, '62, now operates the family architectural firm of Davis and Associates in El Paso.

James A. Ellis has recently retired from his duties as chief justice of Texas '7th Court of Civil Appeals in Amarillo.

35 G. C. "Mule" Dowell is President of University Volkswagon, an automobile dealership, in Ft. Worth. He is married to the former Beth Wuefman.

36 Preston Conerly has been with the Van Heusen Shirt Co. for 30 years and although he retired in Sept. of 1976 he remains with the Co. as a consultant. He and his wife, Ruth, are living in San Antonio and have two daughters and three granddaughters. He still enjoys playing tennis now that he has more time.

39 W. Eugene Alderson has received an award from Cadillac Motor Car Division recognizing his 25 years of continuing operation as a Cadillac dealer in Lubbock. He and his wife, Rolinda Lee Chappell '42 have three daughters that have all attended Tech.

40 Weldon and Moselle (Baum '45) McCreary are living in Brownfield and have two daughters and four grandchildren. He is administrative assistant in charge of federal programs for the Brownfield School System.

W. A. Bratton is project engineer on F16 aircraft at General Dynamics where he has em-

ployed for 32 years. His son and two daughters are also graduates of Tech. He is living in Ft. Worth.

41 Dr. Joe Cash is an associate professor of English at McNeese State University in Lake Charles, Louisiana.

James and Janice (Buie) '42 High are living in Stamford and have recently become grandparents. The parents are Jennifer '74 and Bobby '75 Cox. Bobby works with James in High's Wholesale Grocers in Stamford.

R. Furman Vinson is a rancher and farmer at Flomont. He and his wife, Beverly, have a son and a daughter. He is Grand Master of the Masonic Lodge of Texas.

Robert C. Jordan and his wife, Alison, have three children and are living in Cohasset, Mass. He is Financial Vice President, New England Mutual Life Insurance Co.

42 Virgil I. Woodfin, research associate in charge of the Texas A&M University Agricultural Research Station has retired. He plans to continue living in Iowa Park.

William B. Griffin of Tahoka, has retired from the Texas Agricultural Extension Service after 32 years.

Ralph and Elizabeth (Luce) Nelson of Ozark, Arkansas, have a Chevrolet dealership in the Ozark Mountains and also land and cattle. They have traveled rather extensively and have recently returned from Australia, New Zealand, and the South Seas.

Dr. John E. Bradford is Dean of the College of Engineering at Texas Tech. He has received both the Distinguished Alumnus and Distinguished Engineering Awards for Texas Tech. He is a Past President of the Lubbock Chamber of Commerce and a Past Chairman of the Airport Board. He and his wife, the former Betty Vaughn '50 have two daughters.

Twila (Farrell) Stowe is living in Dallas and has three married children. Her husband, Bishop W. McFerrin Stowe, is Episcopal

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43 William H. and Patti J. (Hall) '46 Carter are living in Midland, where he has recently become District Exploration Manager for Amarillo Oil Company, a subsidiary of Pioneer Corporation.

Garland Dewey Taylor taught school for 35 years and for the past nine years has operated a ranch north of Thayer, Mo., raising Thoroughbred horses and Charolais cattle. His two sons and daughter are Tech exes.

Robin (Harbin) Taylor has retired as county Extension agent for home economics in Bailey County. She and her husband, C. L., will continue to reside in Bailey County.

46 Mary Jean (Webb) Copeland is living in Englewood, Colo. Her husband Floyd, is a Production Supervisor with Chevron Oil Company. While at Tech, she was a member of Ko Shari.

47 Marshal Mason, Jr. has joined MGF Oil Corp. in Midland as a vice president.

Nancy (Neill) Ewerz is an elementary school counselor for the Irving Independent School District. She has four sons, two who are former Tech students.

Joe F. Rives is vice president of J. M. Huber Corp. He is living in Borger.

Dr. Joe T. Cardwell is president of the American Dairy Science Association. He is also a professor of Dairy Science at Mississippi State University. His wife, **Leota '47**, teaches in the Starkville, Mississippi School Systems.

48 Robert Kelly Baze is living in Idalou.

W. L. (Leo) Morris, vice president in the Petroleum Department of The First National Bank and Trust Company of Tulsa, has received the 1977 Chairman's Award, an honor presented annually by the Bank to one of its employees. He and his wife, Carolyn, have four sons.



Leo Morris



Bill Keith

49 Teddy Jack Crager has been nominated for inclusion in the 1978 edition of "Who's Who In The South and Southwest." He is associate dean of the School of Music at the University of Miami.

Lawrence L. Jester jr., is district engineer of the State Department of Highways and Public Transportation in Marshall.

Ralph A. Geddie was recently elected chairman of Commercial National Bank's board of directors. A Dallas businessman for 27 years, he has owned and operated Geddie's Photography in Pleasant Grove for 27 years.

Ted H. Forsythe has been elected President of Texas Association of Obstetricians and Gynecologists, 1977-1978. He is also serving as Clinical Professor, Department of Obstetrics and Gynecology at the Tech Medical School.

John Coppinger is living in Corpus Christi with his wife and daughter. He is Assistant Division Manager for Halliburton Services in the Corpus Christi Division. The family's interests include deep sea fishing, golf, and horse shows.

Robert P. Mendenhall has been elected a vice president of the Valley National Bank of Arizona by the bank's board of directors. He joined the bank in 1967.

Robert A. Brown is now the State Department of Highways and Public Transportation's assistant district engineer in Austin. He and his wife, Nell, have two daughters and a grandson.

Don C. King is secretary-general manager of the Southwestern Cattle Raisers Association in Graham. He received the "Man of the Year in Texas Agriculture" award for 1977.

Bill M. Keith has been elected executive vice president and chief operating officer of El Chico Corp. He and his wife, Mary Ruth, have a son and a daughter. They reside in Dallas.

Trent C. Root, Jr. was named Vice President of Texas Utilities Co. in Dallas last year. A past president of The Ex-Students Association, Trent has a daughter who is a Junior at Tech.

50 Eldred Jordan has retired as Frio's extension agent and is planning to travel.

Lee Slaughter has received an energy conservation award from the Department of Energy. He is the Director of Physical Plants at Tarrant County Junior College.



Eldon Saul

Eldon L. Saul has been promoted to the newly created position of coordinator of consumer and environmental affairs for Continental Oil Co.'s North American marketing operations. He will continue to headquarter in Houston.

Dale Thut has been promoted to the Branch Sales Manager in Philadelphia for Transamerica Insurance Co. He and his wife, Helen, are living in Wallingford, Pa. and have a son and a daughter.

C. D. Wickson, Jr. has been named a new director of Seminole State Bank's board of directors. He has four children and is living in Seminole.

Wendell Shive is owner-operator of Shive farms and the Wendell Shive Gin Co. in Coahoma. He is active in civic and youth work. He and his wife, Helen, have two daughters.

51 Lt. Col. F. A. Records has retired from the Air Force after 20 years active duty and a combined reserve and active service of 34 years. He and his wife, Margie, will make their retirement home in Phoenix, Az.

Mr. and Mrs. Dalton L. James are retired and live in Lubbock, where they are involved in hobbies of craft work and oil painting. He retired a number of years ago as Superintendent of Schools at New Deal and they moved to Lubbock. She retired last year as the Librarian at Friendship High School. They have one son, **Wayne '57**.

52 Charles E. Lawrence is currently a county officials program specialist with Texas A&M University. He has also been named Who's Who in Colleges and Universities.

Gene McMaster of Waco and formerly of Abernathy has been elected president-elect of the Texas Cooperative Education Association. Gene is chairman of cooperative education for Texas State Technical Institute in Waco.

Robert C. Messersmith of Lubbock was elected to a second consecutive term as treasurer of the Texas Society of Architects (TSA). He is principal of Robert Messersmith and Associates architectural firm in Lubbock and Midland.

P. W. Burnett has been appointed vice president of operations and engineering for United Texas.

Bryan Pollard has joined the firm of Gifford, Mitchell and Wisenbaker in Midland as a manager of exploration. He has spent his professional career with Cities Service Oil Co.

53 Anna B. Odell is living in Arlington. She was supervisor and counselor in Hockley and Lubbock county schools.

Dr. Joseph D. Burchard North East Independent School District director of planning and research, has been promoted to associate superintendent of operations.

Tom Bowers is Pasture Specialist with the Vocation Agriculture Division of the Texas

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Education Agency and the Dept. of Soil and Crop Sciences of Texas A&M. in College Station.

Binie White is energy utilization and information manager for Lyntegar Electric Cooperative. He has also been elected to the board of directors of the Texas Member Services Assoc. He and his wife, Edna, have two children. They are living in Tahoka.

Margie Barnett is a teacher in Desert Sands Unified School District, Indio, Cal. Her hobbies include oil painting, some writing, and travel. She has been to Europe, Israel, Mexico, and Alaska.

Cdr. Roy T. Grimes has recently been designated as commanding officer of NICSYSTEMS-0311. The unit he commands works for Naval Intelligence Command headquartered in Alexandria, Va. He has completed 33 years of service in the Naval Reserve. He is also the principal of a junior high school in Lubbock. He and his wife, **Jerry (Freeman '52)**, have four children, two of whom are attending Tech. Roy is a member of Phi Delta Theta and Jerry is a member of Kappa Kappa Gamma.

54 Jay Eudy Vocational Agriculture Teacher at Valley High School, was honored for his 18 years of teaching.

Travis Hines has opened an office in Trinity for the general practice of law. He and his wife have four children.

Jimmy Nickell is Regional Sales Manager with the Agricultural Division of Pfizer, Inc. He, his wife and three daughters are living in Liberty, Missouri.

Charles E. Maple is the Jacksonville Chamber of Commerce manager. He and his wife, Claudia, have four children.

55 Ken McLeroy, a geologist with the Railroad Commission's Oil and Gas Division, has been named acting director of the division.

Ray Lawlis is currently Director of Cafeteria Services for the Big Spring Independent School District.

William R. Hale announced that he is a candidate for State Representative, on the Republican ticket. He and his wife have three sons. Two of the sons are attending Tech.

Richard Blackmore has recently been named President of the Montgomery County Bank in Spring, Texas.

Howard Yandell was named President of the First National Bank in Lubbock late last fall.

Mary (Gristy) Rooker has been named Director of project review and resources development for the South Plains Health Systems in Lubbock. Her husband, Bob, is on the Mass Communications faculty at Tech.

Marshall Pharr is City Manager at Plainview. His wife is the former **Ann Standifer '56**.

Dr. Joe R. Goodin is Associate Professor of Biological Sciences at Tech. He is also advisor to the Saddle Tramps.

Jerry and Gail House are both employed at Tech. Jerry is Director of Purchasing for the Assistant Contracting and Purchasing Office. Gail is teaching part time in the College of Home Economics and is working on her doctorate.

Oscar Power is general manager and part owner of Mustang Mobile Homes Inc. He is married to the former **Sue Hoff**.

Col. Bob G. Waddle is stationed at the Headquarters for the Air University at Maxwell AFB in Montgomery, Alabama. He is Director of Specialized And Free Commissioned Education for the Air Force through the U. S. He and his wife have three daughters.

E. Fred Currie is Vice President-Marketing for the Fort Worth office of Paine, Webber, Jackson, Curtis, Inc., members of the New York Stock Exchange. Fred is a Director of the Ex-Students Association and a member of the Century Club and the Old Red Club.

56 Earl C. Burns opened his own office in Abilene as a regulatory consultant. He and his wife, Maxine, have three children.

Dr. Ronnie Averyt has been promoted to Professor of History and Political Science at Ottawa University in Ottawa, Kansas. He is also a member of the Texas Tech Century Club.

Kenneth Sams is presently Superintendent of the Haskell Independent School District.

Dr. Clarence K. Whiteside, Jr. is moving to Yokota Air Base in Japan, where he will be hospital commander.

Dr. Monty Davenport is Senior Associate Vice President at Texas Tech. He and his wife, Sue (Gound) '54 have two daughters.

Bennett E. Bechtol has been appointed executive vice president and chief operating officer of Harper Oil Company, Oklahoma City. He and his wife, Sandy, have three children.

USAF. Col. Charles and Virginia (Hamilton '58) Norwood and their children recently

moved to Lynn Haven, Fla. They have one daughter who is a Tech sophomore and another who plans to enroll next fall.

Tom Morris owns a Machine Shop in Kenner, Louisiana, near New Orleans.

Brad Crawford, an attorney in Lubbock, is a member of the firm of Crenshaw, Dupree and Milam. He and his wife, Bobbie, have three sons, including Lance who is a Tech student.

Ed Wilkes is Farm Director for Station KFYO in Lubbock. He is married to the former **Marsha Dowdy '60**.

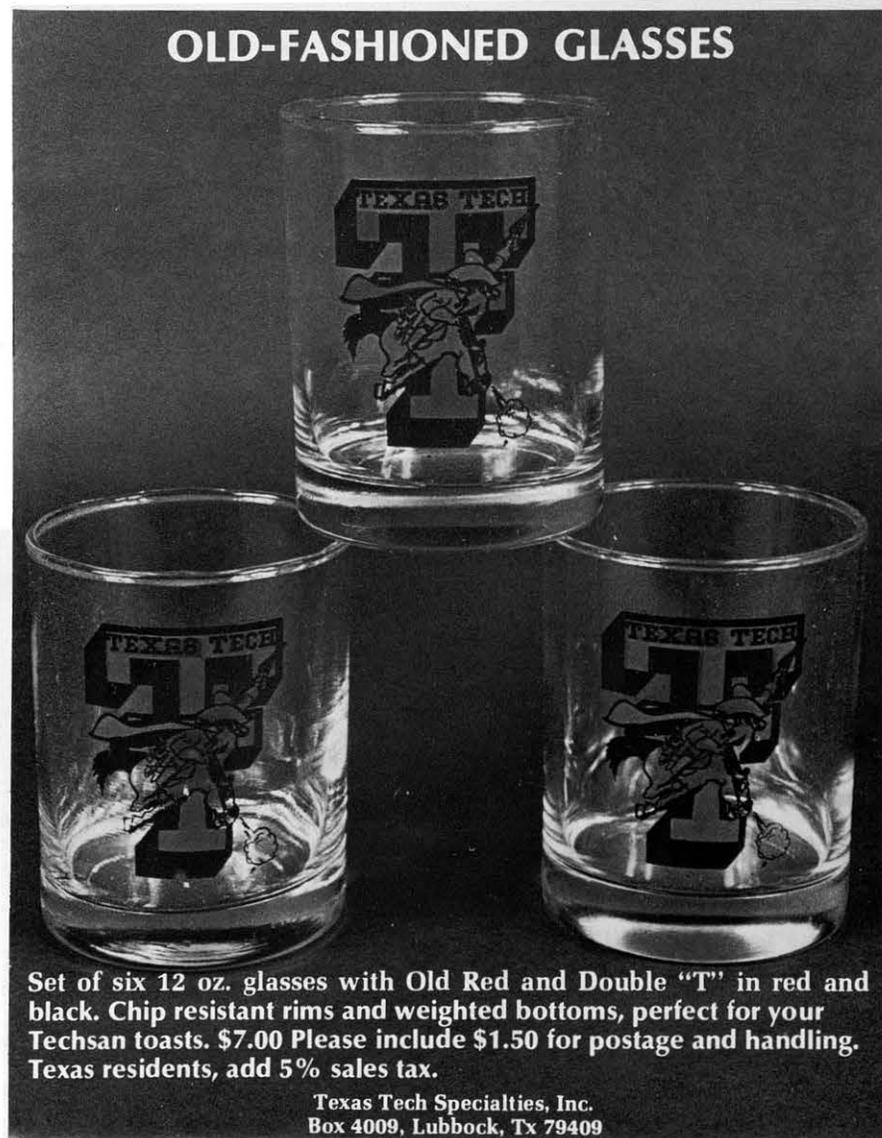
Roy and Patsy (Harris '57) Middleton and their children live in Lubbock, where Roy owns a Real Estate firm and is involved in a number of civic organizations.

Truman Powers and his wife, the former **Diana Brooks '60**, and their two daughters live in Richmond, just outside of Houston. Truman has his own firm, Powers Industries Inc., with offices in Houston, Dallas, Lubbock, and Amarillo.

Wayne H. Davis has been employed by Halliburton since he graduated from Tech. He and his wife live in Rawlins, Wyoming.

Charles Don and Mary Jo (Cappleman '58) Brice and their two children live in Houston. Don is in charge of the Life Insurance Depart-

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ment for Robinson-Traylor Insurance Co. in Houston.

Paul B. Stuart is high school principal at Cal Farley's Boys Ranch northwest of Amarillo.

Lt. Col. Jimmie D. Auten has arrived for duty at Andersen AFB, Guam. He is commander of the 1st Weather Wing, detachment 2 with the Military Airlift Command.

57 Milton Dean Sanders has retired after 20 years of active military service with the Army.

Dolores Kilchenstein coordinator of secretarial administration at Texas Tech, was selected University Business Education Teacher of the Year. She is also a candidate for the Texas TBEA Teacher of the Year.

Rev. Tom Strother is living in Waco and is assistant administrator for development at Methodist Home. He and his wife, Patricia, have four children.

Lewis M. Williams has been promoted to operations manager with Tenneco Oil's.

Richard M. Styles has been named to the newly created position of Vice President for University Relations at Hardin-Simmons

University in Abilene. He is married to the former **Deann Buske '57**.

James L. Withrow has been appointed to the Lamb County Farmers Home Administration Committee. His farming operation consists of 970 acres in the central western portion of Lamb County. He and his wife have three children.

Dr. Jerry Helmer is a teacher in Kermit and was recently chosen teacher of the month. He and his wife, Joan, have two children.

Tom and Charlene (Williamson) Parks are living on a ranch at Clifton. They have a son who is a freshman at Tech.

T. Scott Hickman is a Petroleum Consultant in Midland. He and his wife, the former **Gladys Crandall '57**, have three children.

Rex Aycock is an attorney in Lubbock and a member of the firm of Nelson, McCleskey, Harriger, and Brazill in Lubbock.

Wallace L. Wilson is District Manager for the Lynn Elliott Co. Inc. in Addison (Dallas). He is married to the former **Eva Garza '57** and they live in Irving. They have three daughters, two of which are sophomores at Tech. Wallace was President of the Student Association and Phi Delta Theta at Tech. Eva

was a member of Kappa Alpha Theta and a beauty.

Tom McKelvey is Plant Manager for Stewart Engineering Co. in Richardson.

Scott Arbuckle is President of Thorsen Tool Co. in Dallas. He is married to the former **Tommye Brown '56**.

Will D. Jarrett is Managing Editor of the Dallas Times-Herald in Dallas. Before accepting his present position last year, he held the same position with the Philadelphia Inquirer. He and his wife, Rene, have two children. He is serving on the Advisory Committee for Tech's Mass Communication Dept.

H. Dane Grant is president of the First State Bank and Trust Co. in Houston.

Hugh Fewin has a son, Hugh Jr., that is a freshman at Texas Tech this year. He and his wife have two other children. A former Red Raider football player, Hugh is now Plant Manager for Chicago Bridge and Iron Co. in Greenville, Pennsylvania.

Wayne and Peggy (Welling '64) James are living at 3419-54th St. in Lubbock. Wayne completed his 20th year of employment with The Ex-Students Association last August. Peggy is Coordinator of Systems and Procedures in the Office of Systems and Procedures, Facilities, and Information and Reports at Tech.

Walter and Gaynell (Williams '59) Schuler live in Houston where he is Vice President of Engineering for Voss International Corp., an engineering and construction firm. They have one son, Lance.

M. Glynn McGee and his family are living in Shreveport, La. Glynn is Production Manager for the Louisiana Area of Foremost Dairies, which is a division of Foremost Foods Co. Glynn was Vice President of the Student Association while at Tech.

Bill Brown is Engineer Supervisor in the Oceanic Division of Westinghouse in Annapolis, Maryland.

Dr. Mel Deardorff lives in San Francisco, where he is a psychologist.

E. B. "Buddy" Moreman, a pilot for Pan American Airlines in Berlin, Germany, is currently in California undergoing training on the 747. In March he and his family are expected to move to the Los Angeles area, where he will be based.

58 G. L. (Lee) Weaver has been named vice president and trust officer of the First National Bank of Fort Worth. He is listed in the Who's Who in the South and Southwest.

Ronald Joe Neighbors has been appointed general manager of the Harris-Galveston Coastal Subsidence District. He also serves as city manager of Odessa. He and his wife have five children.

Bill Worrell is currently an art instructor at Odessa College. He is working on a book of photography about Colorado City.

John W. Henderson has been named district manager in the newly formed Oklahoma City District. He is a member of the American Association of Petroleum Geologists and West Texas Geological Society. He and his wife, Edyth, have three children.

Wendell A. Mayo is living in Petrolia and is feedlot manager for Clayco Cattle, Inc. He and his wife, Barbara, have three children.

Elmore Scott and his wife and two children are living in Garland. He has been employed by LTV and Vaught Corp. since leaving Tech. He is Project Manager in the Research and Development Group for Vaught Corp. in Grand Prairie.

Don and Betty Sue (Howard '57) Hay and

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College-bound students are seeking your advice to tell them about Texas Tech. Talk about Tech to 11th and 12th grade students who might qualify for admission and who could benefit from Tech's programs. Tell us about your young friends, and we'll have the Admissions Office send them up-to-date information. You may bring a young person and a university together that were looking for each other and didn't know it until you spoke up.

In addition, the Association is looking for Ex-Students in each community who are interested in serving as volunteer admissions representatives for Tech in their local communities.

A little caring for the candidate and a little sharing of your ideas and experiences can go a long way in helping us in our continuing effort to attract the best possible candidates to Tech. We need your help to maintain a truly diversified entering Freshman Class each fall and the graduation of more mature, confident students four years later.

Fill out and send the card below to The Ex-Students Association, P.O. Box 4009, Lubbock, Texas, 79409, and the Admissions Office will send your young friend information about Texas Tech.

STUDENT PROSPECT

Name _____
Last Middle First

Mailing Address _____

City _____ State _____ Zip _____ Phone _____

High School (if known) _____ City _____ 11th 12th

Your name _____ Alumnus Parent Friend

Mailing Address _____

City _____ State _____ Zip _____ Phone _____

Mail To: Ex-Students Association
P.O. Box 4009
Lubbock, Texas 79409

their two daughters are living in Dallas, where Don is Manager of Digital Laboratories for the UTL Corp. Betty is Secretary to the President of Amco Energy Corp. Don has obtained his Master's Degree in Electrical Engineering at S. M. U. by attending night school and is now working toward a MBA.

David W. Thompson and his wife, Peggy, and two sons live in Borger, where David is Executive Vice President and Trust Officer of the Panhandle Bank of Trust. David was President of the Student Association at Tech and a member of Phi Gamma Delta.

Charles McMurray has recently become head of J-Benn Construction Co. of Dallas. He and his family live in Garland.

Waldo Cecil is President of Meritex Plastics Industries of Arlington. He and his wife, Jean Greer '51 live in Irving.

Nathan and Dixie (Hewell '57) Wheat and their three children are living in Nixon. Nathan is teaching Science in the Junior High School and is engaged in ranching. Dixie owns and operates Dixell's Nursery and Flower Shop in Nixon.

Dr. Barry B. Thompson is vice president for academic affairs at East Texas State University.

Rob and Peggy (Donnell) Brown are ranching in Throckmorton. He is a director of the National Cattleman's Assoc., American Quarter Horse Assoc., the Texas and Southwest Cattle Raisers Assoc., and is a past president of the American Simmental Cattle Raisers. Peggy is a member of the School Board. They have four children, including one daughter who is a freshman at Tech.

Bill Waddle recently completed his 10th year as General Manager of the Texas Water Conservation Association in Austin. He and his wife, Carolyn (Tapp '60) have three children.

Weldon R. Gibson is District Construction Engineer for the Texas Highway Department in Atlanta. He and his wife have a son 20 and a daughter 15.

Roy Fisher is a Senior Engineer in the Oceanic Division of Westinghouse in Annapolis, Maryland.

59 W. B. "Bill" Calvert is assistant area superintendent for Phillips Oil Co. in Lafayette, La. His wife is the former

Carolyn Pope '58 and they have two daughters.

Neal Pipkin resigned his position with I.B.M. last year to go into Real Estate. He was recently named Salas Manager for Malcolm Garrett Realtors in Lubbock. He is married to the former Carol Foster '59.

Bill W. Barton, a former member of the Texas House of Representatives, is an attorney for Texas Mid-Continent Oil and Gas Assoc. in Austin.

David Conner and his wife, the former **Carolyn Scott '60** are living in Dallas. Dave is Senior Engineer for Scientific Communication Inc. in Garland.

Comm. Donald E. Ledwig and his wife and their two sons are living in Coronado, California, outside of San Diego. He graduated from the Naval War College last summer and was assigned as Supply Officer of the USS Prairie (AD-15). He was deployed to the Far East in January for six months.

USAF Lt. Col. Stan Powers has graduated from the Naval War College. He is being reassigned to San Antonio.

B. F. Yeates is presently conducting graduate work in animal behavior at Texas A&M. He has also served as a horse specialist with the Extension Service since 1966.

Charles W. "Chuck" Miller has started his own Petroleum Engineering Consulting Firm, Miller Engineering. He and his wife, Rogene, have three children and are living in Moore, Okla.

Mrs. Harold A. Boggs (Judy Ecklund) and her husband and two daughters live in Big Flats, N. Y. In addition to being kept busy by her family, she does some part time modeling.

Mart Gayland Pool is an Episcopal Priest and is living in Ft. Worth. He has also gone into the business of saving old buildings. He has restored an old country church and has also revitalized two old homes in Ft. Worth.

Chris D. Perner is now Chief of Crew Station Integration Section at NASA Manned Spacecraft Center. He and his wife, Millie, and son, Mike, are living in Friendswood.

Dan Howard CPA is a partner in the Accounting Firm of Caraway, Howard, and Spikes in Lubbock. He is married to the former **Key Alexander '60**.

Dr. Milton Vaughn, who played football while at Tech, and majored in Engineering, owns and

operates Vaughn Storage System Inc., in Lubbock. In addition he is on the faculty of the School of Business at Tech. He and **Ann (Denny '60)** have two children.

Bill Hawkins is living in Hockley and for the past five years has worked at Boys County which is a Christian home for boys located 35 miles northwest of Houston. He is superintendent. He also teaches CVAE Vocational Agriculture for Waller Independent School District.

Lt. Col. Stan Powers is based in San Antonio. He is Vice President of the Community College of the U. S. Air Force in San Antonio. While in the Air Force Powers has earned two different doctoral degrees. While at Tech he was a member of Pi Kappa Alpha fraternity and was a cheerleader.

E. C. Goodman, who has been with the First National Bank of Lubbock for 19 years, has been promoted to senior vice president and cashier.

Jack Burgess, a Waco Oil Distributor, has announced his candidacy for the Republican nomination for Congress.

60 John Connally, Jr. has been named the new manager of the El Paso Agency of Mutual of New York.

Lt. Col. Jimmie D. Auten and his wife, Jody and three sons are moving to Andersen AFB, Guam. He will be Commander of Det 2, 1st Weather Wing, where he will be responsible for providing meteorological services support to the base and numerous aircraft.

Gene Kennedy is a partner in Duffey-Kennedy, Inc. of Dallas, who are manufacturing representatives for lighting equipment. He and his wife and two children live in Arlington.

Bob and Elena Brown live in Lamesa, where he owns Bob Brown Olds and Cadillac dealership. They have two children, Mary and Jeff.

Donnell and Sharla (Pepper) Echols live on a farm west of the community of Patricia and south of Lamesa. They have three daughters. Donnell is active in several national cotton organizations. He is a past President of the Ex-Students Association.

Ed and Mary Ann (Mattox '58) Childs are living in Garland and are enjoying their new home with their two children, Julie and Chris.

Mrs. Roger Tieg, the former Gail Peterson, and her husband and children live in Salinas, Calif. Gail is President of the Junior League and active in several civic organizations.

Sarah Pinson is teaching school in San Francisco, Calif. She is an Association District Representative.

Jack H. Henry, M. D., specializes in orthopedic surgery and athletic medicine in San Antonio.

Lee Otis Wyatt was recently named Vice President of the Garland Bank and Trust in Garland. His wife is the former **Mary Jane Campbell '56**.

Harold Elledge is President of Elledge Consulting and Production Co., a petroleum engineering company, in Farmington, New Mexico.

Roy "Hap" Bell, Jr., is assistant principal of Issac Newton Jr. High School in Littleton, Colorado. He has been with the Littleton School System since 1965.

Claude E. Rogers accepted the position of Product Development Manager of Opcon Inc. in Everett, Washington last fall. He and his wife and son live in Bellview, Washington. While at Tech, Claude majored in Electrical Engineering, was Senior Class President and a member of Phi Kappa Psi and Tau Beta Pi.

Robert A. St. Clair has been with Westinghouse since 1961. Currently he is Engineering Super-

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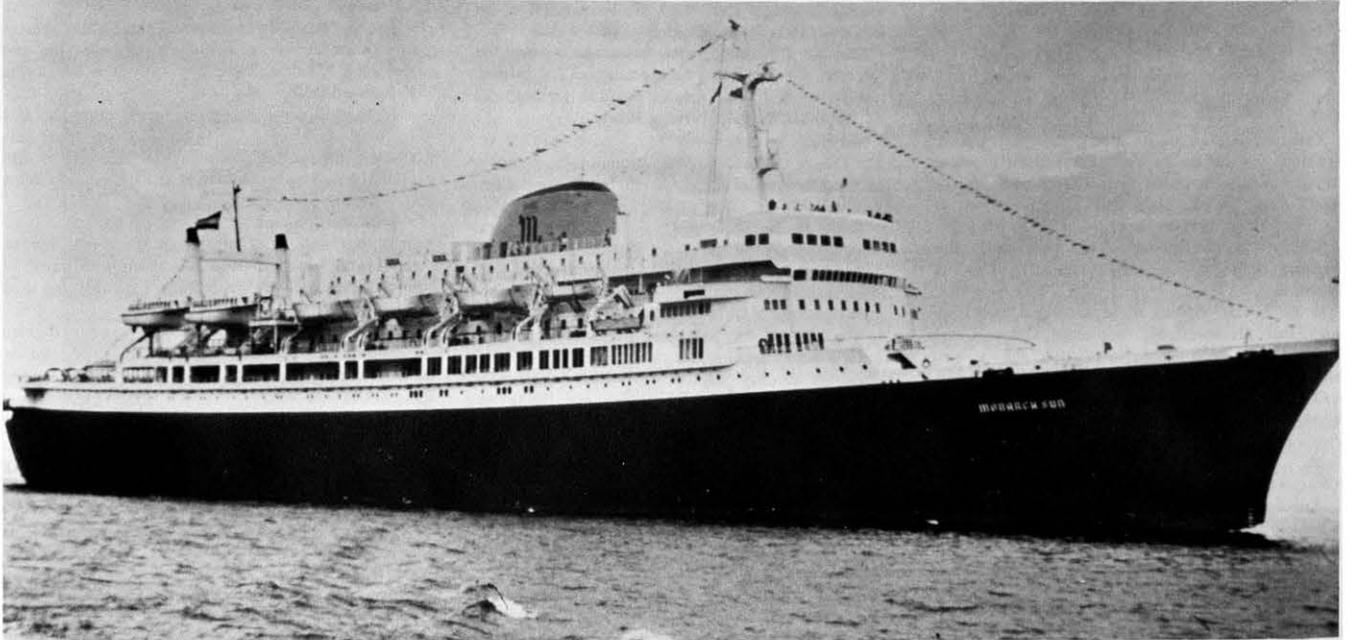
Address _____

TEXAS TECH EX-STUDENTS ASSOCIATION

Presents an

Alaska Inside Passage Cruise

JUNE 10-17, 1978



Come and join the fun. The best of 1978 awaits you as the Texas Tech Ex-Students Association Alaska cruise departure draws near.

The Alaska fly/cruise program originates in Lubbock June 10 as you fly to Vancouver to Board the MONARCH STAR.

At Vancouver you will be transferred to the pier to embark on your scenic cruise through Alaska's Inside Passage. As you cruise at a relaxed pace through the sea, you will leave behind the hectic pace of shore-bound life escaping momentarily into the enchanted North Country.

Ports of call while cruising Alaska include Ketchikan, "the salmon capital of the world." You will certainly want to wander around the town with the steep walkways that connect the center of the town with the wooden hillside town. This is the land of the Tlingit and Haida Indians and you'll see many totem poles.

On to Juneau, Alaska's capital city, where you'll see the famed Mendenhall Glacier, the Alaska State Museum, the historical house of Wickersham and the colorful "Red Dog Saloon." You will be able to shop for native crafts and Alaska art before the ship sails in the evening.

You will cruise Glacier Bay for an entire day. Nothing will quite prepare you for this grandeur. Whatever you anticipate will be exceeded for this is an ever-changing spectacle unqualed elsewhere—breathtaking and timeless. Gliding quietly through this enormous ice cathedral is to feel in the presence of some other order of nature's grand design. Massive, black and craggy shale pinnacles and cliffs rise starkly a thousand feet from the edges of narrow roads. National Park Rangers will join the ship to explain the sights during this remarkable and dramatic adventure.

Next stop Sitka . . . When the Russians ruled Alaska, Sitka was the center of trade and social life. When the United States purchased Alaska in 1867 the ceremony was staged behind the Sitka post office.

While at sea you'll have time to relax with your friends, participate in activities aboard ship or enjoy leisurely moments viewing the majesty of Alaska from the Observatory Lounge.

Don't miss this change to "get away" for an unforgettable week cruising Alaska's Inside Passage. Make a date with us on June 10.

For more information contact Texas Tech University Ex-Students Association, P.O. Box 4009, Lubbock, Texas 79409. Telephone (806) 742-3641.

visor in the Oceanic Division in Annapolis, Maryland. He and his wife and two children live in Arnold, Maryland.

61 Ed Kahler of Burleson is now associated with LaFleur Flower and Gifts of Distinction. He recently completed a floral design school in New Jersey.

Charles and Cindy (Watson) Stenholm are living in Stamford and have three children. He is occupied with full time farm operations.

Harold Haschke has been appointed Director of Agricultural Investments at Mutual of New York. He will direct all aspects of the agricultural phase of MONY's investment activity.

Shirley (Stephens) Spillman and her husband, Tom, and two children are living in Endicott, N. Y.

Kathryn Nell Quain recently resigned her position as Director of Customer Services for a financial printing firm to go back to the legal field as a paralegal for the firm of Crutcher, Hull, Ramsey and Jordan in Dallas.

Sidney W. Kothmann is the geological manager of the Gulf Coast Division of Exxon in Houston.

R. L. "Dick" Strong is Marketing Manager of the Feed Division of Producers Grain Corp. He and his wife, Bea, have two sons, Ryan and Lyle.

Owen Akers and his family moved to Albuquerque, New Mexico last year. He is Vice President in charge of the Investment Dept. for the First National Bank in Albuquerque.

Don Scott and his family have recently moved to St. Johnsbury, Vermont, where he is employed by Fairbank-Morse, an electronic company. For the past eight years he had been employed by Northern Bell in Canada.

Dr. Gerald "Jerry" Thompson is a physician in Arlington, where he and his wife, Janice, and their four children live. Janice was a secretary for the Ex-Students Association while Jerry attended Tech.

Dr. William "Bill" Dean is Director of Student Publications at Tech and teaches in the Mass Communications Dept. In addition he is Editor of the national magazine for Phi Delta Theta Fraternity. His wife, Peggy graduated in 1966.

Rev. Richard Toll and his family are living in Seattle, where he is Associate Pastor of St. Marks Episcopal Cathedral. He is married to the former Wanda Elaine Higginbotham.

Carolyn (Jenkins) Barta, who has served for the last few months as Assistant City Editor, has returned to her former position as Political Editor of *The Dallas Morning News*.

62 Gary Gibson has been promoted to manager of industrial development for Southwestern Public Service Co. He is living in Amarillo.

Kelly M. Harrison has been appointed general sales manager of the U.S. Department of Agriculture and assistant administrator for the Foreign Agriculture Service. He will head a 110-man department in the USDA.

Maj. James M. Johnston III is serving temporary duty in Lahr, Germany, working with the "Coronet Trump" deployment which familiarizes U. S. servicemen with the European flying environment.

Sarah (Picket) McGarrahan is living in Grand Prairie and has three children. Her husband Keith, is a stockbroker. She plans to return to teaching after ten years retirement.

Bud and Sara (Logan) '66 Henderson have lived in Boulder, Colo. for the last six years. He is Product Manager for Ecetronic Processors, Inc. Sara owns her own floral shop. They have two children.

Hossein Karimi currently serves as a Logistics Management Specialist with the Air Force Acquisition Logistics Division at Wright-Patterson Air Force Base, Ohio.

Jim Boggs and his family are living in Corpus Christi, where he is an architect. He was elected President of Construction Specifications Institute and is very active in civic affairs.

Bill and Cindy (Cowan '65) Skeeters and their two children are living in Dallas. He was recently made President of Business Insurance Systems, an employee benefits sales and management company. While at Tech, Cindy was a member of Zeta Tau Alpha.

Robert Sandidge is a partner in Peirsol Sales Inc., which has its Showroom in the Trade Mart Center in Dallas.

A. W. "Tony" Gustwick is Director of the Alumni Association at North Texas State University in Denton. Prior to accepting his position at N.T.S.U., Tony was Assistant Director of the Ex-Student Association at Tech. He is married to the former Betsy Grimes '62 and they have two children.

Simon "Pete" Tomlinson and his family are living in Tulsa, where he is Regional Manager of Financial Services for W. R. Grace and Co. He is a member of the Texas Tech Century Club.

Royce and Sandra Turner are living in Muleshoe where he is engaged in farming and is on the school board. They have two children, Steve and Jill. Sandra was Secretary of The Ex-Students Assoc., while Royce attended Tech.

Dr. Kelly M. Harrison has been appointed general sales manager of the USDA and assistant administrator for the Foreign Agriculture Service. He and his wife and four children are living in Springfield, W. Va.

Marlee (Kochis) Anderson was recently named Administrative Operations Assistant for the U. N.

Division of A. I. D. in Washington, D. C. She and her two sons live in Washington, D. C.

63 Billie (Moser) Mulder was recently promoted to Regional Customer Support Manager for IBM in Southern California.

Jerry Hooks has been elected as the new Executive Vice President and Director of the First National Bank of Brownfield.

Duane Griffith is general production manager for the Southwestern Division of Pioneer Hi-Bred International, Inc. He and his wife, Pat, and two daughters live in Plainview.

Joe M. Nelson is Manager of the Public Service for Texas Power and Light Company. He and his wife, Maxine, have two sons and are living in Richardson.

Maj. William E. Mercer now serves at Los Angeles Air Force Station as a systems survivability engineer with the Directorate of Engineering, a part of the Air Force Systems Command.

John L. Johnson has been promoted to vice president and trust officer in the Trust Investments Division of Republic National Bank of Dallas. He and his wife have two children and live in Stinton.

Harry L. Scoggin has been appointed vice president of 3D/International. He is a project director and is director of quality control for the Austin office.

Cecil W. Johnson is working for West Texas Utilities Co. and is presently Fuels Engineer. He and his wife, Ella have one daughter, Mary Martha. His hobby is collecting antique vending machines and setting up a route of the modern types. He is living in Abilene.

J. D. McAuley is working for Tenneco Oil Co. and has been promoted to production engineering supervisor in the Pacific Coast Division, Bakersfield, Calif.

Larry and Jane (Anthony '63) Campbell and their girls are living in Tempe, Arizona, where Larry is a high school coach and teacher.

Dr. James C. Graham has been appointed a Regional Manager of Product Development for the Monsanto Agricultural Products Co. He will have responsibility for the Northcentral and Northeastern portions of the United States. He and his wife Rachel and two sons live in Newark, Delaware.

Jim Price is now Executive Vice President, Corpus Christi National Bank. He enjoys Coastal Bend fishing, boating, and other outdoor activities.

Lt. Col. Wayne E. Kanouse has arrived at Langley AFB, Va., for duty as site director for Tactical Air Control Center automation with the Electronic Systems Division.

Rick Seeds has recently become Controller of Southland Royalty Co. He is living in Azle.

T. John Ward and his wife, Cissy (Clark '65), and their three children, live in Longview where John is an attorney.

Bill Mote is co-owner of The Americana Company, and was recently installed on the board of directors of the Greater Dallas Board of Realtors. He and his wife, Norma, have two sons.

Charles G. Thomas is Sales Representative for CIBA-Geigy Corp., Agricultural Division. He and his wife, Brenda, and five children are living in Dumas.

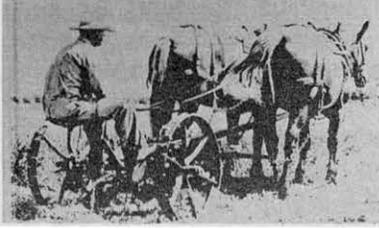
Maj. Durand E. Cleveland, Jr. is a space systems staff officer with Offutt AFB 400th Aerospace Applications Group in Nebraska. His wife's name is Patricia.

64 John Carter and his wife and three children are living in Round Rock. He was a member of Pi Kappa Alpha while at Tech.

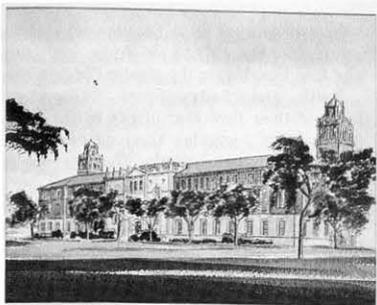
Tom and Mary Ann (Ross) Green are living in Little Rock and have two children. He has re-

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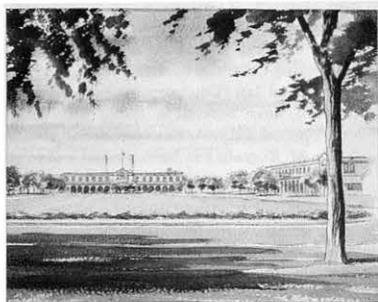
**A History of
Texas Tech University's
College of
Agricultural Sciences,
1925-1975**



**A History of Texas Tech
University's College of
Agricultural Sciences
1925-1975**
by DONALD E. GREEN
A book of the internal history of the
Texas Tech University College of
Agricultural Sciences and the relation-
ship of it to the region of West
Texas, particularly of the High Plains
subregion surrounding "Tech." This
interesting and informative book was
published by Texas Tech University
Press. \$11.95



Administration Building



Engineer Building



Science Quad



Statue of Will Rogers

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cently been promoted to Division Plant Manager with Southwestern Bell Telephone.

Maj. Lawrence E. and Mary (Murphy) '66 Kill have just moved to Abilene with their three children. He will be assigned at Dyess Air Force Base.

Jim Meyer was recently elected secretary of the Texas Society of Architects. He is living in Dallas where he is a partner in the firm of Craycroft-Lacy & partner.

William H. Holland has recently been elected vice-president of the Texas Society of Architects. He is a principal in the Corpus Christi architectural firm Total Design Four.



William Holland



Jim Meyer

Frank P. Claunts has been named Director of the Division of Management Services in the Food and Drug Administration in Washington. He and his wife, the former **Nancy Jones '84** and their three daughters live in Silver Springs, Maryland. Mrs. Claunts is the daughter of **Lewis N. and Hazel (Gibson '39) Jones '38** of Lubbock.

65 Carolyn Limmer is an instructor at Western Texas College. She teaches a course in Child Care-Development. She is living in Snyder.

Elynore Marie Hanson has moved to Israel to work at the Hadassah Medical Center in Jerusalem. She is working in the Respiratory Intensive Care Unit.

Cary D. and Cynthia (Sinclair) '83 Miller reside in Midland where he is District Manager-Operator Services for Southwestern Bell Telephone Co. She is teaching at Midland Christian School. They have three daughters.

Ronald W. Tubbs has been promoted to the rank of major by the U.S. Air Force. He is serving at March AFB, Calif. as a weather forecaster.

Jerry V. Smith has recently moved to Tyler as Vice-President—Finance of Mewbourne Oil. He and his wife, **Gail (McCullough '68)** have two children, **Amy and Chris**.

David D. Davis is employed by General Telephone Co. of the Southwest in San Angelo as a Planning Supervisor. He and his wife, **Maureen** have two children.

Kent Hance, a Lubbock attorney, has announced his candidacy for the U. S. House of Representatives. He is now completing his first term as a member of the Texas Senate.

John Morrison is a structural engineer and a vice president of Fouts, Langford, Gomez and Moore architecture and engineering firm in El Paso. He and his wife have two children.

Elynore Marie Hanson has moved to Jerusalem, Israel to work at the Hasassah Hospital in the Respiratory Intensive Care Unit. Although the working conditions are vastly different, she finds the work very challenging and rewarding.

Kent and Melinda (Goen '66) Hardage are living in Colorado Springs, Colo. with their three children. Kent continues to be employed by Hewlett-Packard Co. in the solid state laboratory as a design engineer. He also teaches at the Univ. of Colorado at Colorado Springs, where Melinda goes to school part time.

William R. Helm is on the faculty at Hardin-

Simmons College in Abilene. His wife, **Susan (Scott '68)** is in Austin obtaining her doctorate in Science Education.

66 Jim Bertram is living in Lubbock and is the City Planning Director. He has been involved in the planning of the Canyon Lakes project.

Betty Aycock is the new nutritionist for the Arlington Public Schools.

Capt. Stephanie K. Allen has arrived for duty at Zaragoza AB, Spain. She is a communications maintenance officer.

Virgil Helm, District Conservationist with the Soil Conservation Service has been transferred to the Dallas field office. He has been in Uvalde and will be doing the same type work in Dallas, except that it will be more urban oriented.

Bennett L. Price has joined Apexco, Inc., a subsidiary of Natomas Co., as Rocky Mountain Exploration Manager in the Denver office. He and his wife, **Davelyn**, live in Denver and have two children.

Ricky Johnson has recently been promoted to Regional Manager for the Victaulic Co. of America. He will be responsible for the sales and dis-

tribution network in a 14 state area of the Midwest. He and his wife **Judy** and their two children now live in the greater Chicago area.

Keith and Sally (Long) Skiles have just finished their first year of life in the Canal Zone where he is a regular army officer serving with the 193d Infantry Brigade. They have a son and a daughter.

Orval Wright is the new county extension agent for Gonzales County. He and his wife, **Judy**, have four children.

Doug James owns the Broadview Gin near Lubbock. He and his wife, **Patti (Liner)** have two children. **Patti** is a teacher in Lubbock.

Gerald and Barbara (Handley) Herbel recently moved to the San Francisco bay area. **Barbara** is a Registered Nurse at O'Connor Hospital in San Jose. **Gerald** is Manager of Programming and Systems for Bendix Field Engineering currently operating and maintaining the NASA Pioneer Computing Center at Moffett Field.

Fred and Jan (Dempsey) Thayer and their three children have moved to Floydada. The Thayers have opened a CPA office in Floydada.

Roy M. Engram has been named a vice president of the Plains National Bank in Lubbock.



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Capt. Stephanie (Koeroacher) Allen is stationed at Zaragoza AB, Spain. She was recently cited for outstanding duty performance as chief of maintenance for the 2069th Communications Squadron at Nellis AFB.

Don and Kay (Burlison '67) Cash and their son, are making their home in Salt Lake City, Utah. Don is Vice President and Director of Mountain Fuel and Supply Co. While at Tech, he was a member of Pi Kappa Alpha and she was a Gamma Phi Beta.



Thomas Williamson

67 Samuel Ray and Sally (Cross) '69 Cummings have two children and are living in Amarillo. He is a partner in the law firm of Culton, Morgan, Britain and White. His twin brother, James Paul, '67, is Vice-President of the First National Bank at Lubbock.

Fred G. Wilkerson and his wife, Mary, are living in Cooper with their three children. He is Superintendent of the Cooper Independent School District.

Alan B. Kirby is now serving at Rickenbacker AFB, Ohio, with a Strategic Air Command unit.

Jack Brooke, Jr. is an industrial engineer for Mobil Oil in Beaumont.

Robert and Linda (Ladig) '65 Bates are living in Victoria and have two children. He is employed by E. I. Dupont de Nemours as a mechanical supervisor at their Victoria plant.

Joe Bob and Jo Carole (Felton) '71 Mayo have two children and are living in Petersburg. He is owner of Mayo Agency in Petersburg.

Thomas D. Williamson has been elected assistant vice president-transportation, Processing Division, Continental Grain Company. He is living in New York.

Tommy and Barbara (Binion) Osborn have a new son born in November and a 5 year old daughter. Tommy farms in the Claude area and was named the S.C.S. Conservation Farmer of

the Year 1977 for Armstrong Co. They are living in Claude.

Lewis Calvin "Cotton" Ellis is with VISTA and is currently doing two years of service as a Peace Corps volunteer in Jamaica. He is working as an extension agent helping villagers improve their diets by growing vegetables.

Steve and Judy (Hendrix) Brin are working for Ford Motor Co. in Dearborn, Michigan. They have two boys. He was a member of Delta Tau Delta and she was a member of Alpha Chi Omega.

Capt. Alan B. Kirby is now serving at Rickenbacker AFB, Ohio, with a Strategic Air Command Unit.

Jack R. and Connie (Perkins '68) Hamilton are living in Houston and have two children, Jason and Leslie. Jack has recently joined Citicorp Investment Management Inc. in Houston as a portfolio manager/marketing representative for the Southwest Region.

Bob and Sandra Youree have recently moved to Missouri City, near Houston. Bob is an officer in charge of the Treasury Dept. for Coastal States Gas Corp. Sandra was Secretary of The Ex-Students Association while Bob was working on his undergraduate degree. Bob also received a Master's degree and taught at Tech.

John and Caroly (Glenn) Shaw are living in Amarillo, where he is Assistant Financial Officer for Southwest Investment Company. They have two sons.

68 Stanley M. Young of Lubbock, was recently named Lynn County Extension agent. Young served as an instructor in the Meats Lab at Texas Tech and farmed in Swisher County where he was also a 4-H adult leader.

Glen Bright was approved by the Abilene School Board in July as assistant principal at Lincoln Junior High in Abilene.

Charles W. Turner and his wife **Diana L. '69 (Warner)** of Johnson City, both teach math in LBJ Independent School District. They have two daughters, Kerri and Susie.

Captain William R. Carter arrived for duty at Clark AB, Philippines. He is an F-4E Phantom II fighter pilot with unit of the Pacific Air Forces, previously served at the Pentagon.

Coy D. Martin is head of the local office of the accounting firm of Ellis, Martin, and Sawyer in Burkburnett. He and his wife, Carolyn, have four children.

Capt. Tom Clark is stationed with the Army in Okinawa where he is commander of the Head-

quarters and Service Company. He and his wife, Pam, have two sons.

Capt. Leonard T. Melcher is stationed at Travis AFB, Calif., for duty as a C-5A Galaxy simulator flight examiner navigator with a unit of the Military Airlift Command.

Jimmy Frank Davis has been named Castro County Attorney in Dimmitt.

69 Mary Lynn Anderson of Waco, received the Doctor of Philosophy degree in English at George Peabody College for Teachers, Nashville, Tenn. in August this year and is currently teaching English at Baylor University.

Lloyd A. Wicks III has been promoted to Vice President and Manager of the Employee Relations Department at the State National Bank of El Paso.

Jim and Mary (Jaynes) Mayer are living in Sylvania, Ohio. Jim has been promoted to Sales and Market Manager, Residential Roofing Marketing, with Owens-Corning Fiberglass. He will remain in the Toledo, Ohio office.

Robin (Draper) Amerman completed a four-week training course with Delta Air Lines. She is assigned to the company's Houston, Texas flight attendant base, but is presently living in Dallas married to Roger, who is a '69 graduate of Texas Tech.

Bill Helton was promoted to residential and commercial sales manager for Southwestern Public Service. He is a registered professional engineer and past president of the Petroleum Electric Power Association.



Robin Amerman

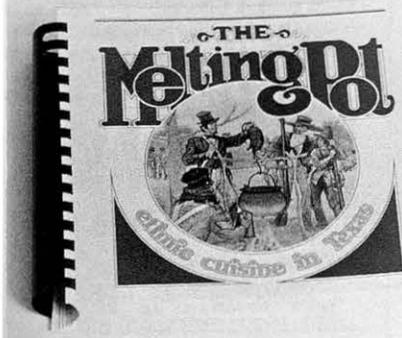


Julius Graw

Navy Lt. **Julius A. Graw** has been advanced to the rank of Lt. Commander. Since January 1976, LCdr. Graw has been assistant public affairs missile cruiser USS OKLAHOMA CITY (CG-5), which operates out of Yokosuka, Japan.

The Melting Pot: Ethnic Cuisine in Texas

A new book of approximately 275 recipes which shows that Texas food is varied as its population. Twenty-seven cultural and ethnic groups settled and developed the Lone Star state and many other ethnic groups have come in smaller numbers. They brought with them their culinary heritage. Included in the more than 224 pages, there are good recipes for not only Texas residents making this a good gift for an out of state friend or relative. Order today and try some of these fine recipes for your family.



Make checks payable to Texas Tech Specialties, % Ex-Students Association, Box 4009, Lubbock, Texas 79409. Please add \$1.50 for handling and postage if order totals less than \$15. Texas residents must add 5% sales tax.

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Harry D. Watson of Rockwall, was promoted to compensation unit manager for Employers Insurance of Wausau's Southwestern Region.

Pete Stewart was exalted to Senior Vice President of Henry S. Miller Company, Realtors. He has been associated with Miller firm since April, 1972.

Dr. Jack Baum of Lampasas, is a dentist. His wife, Barbara (Ingram) also attended Tech. They have 3 children. In October Jack went to Haiti to do missionary work for a 2 week period to attend dental needs of the natives there.

Mrs. Mike Brockett formerly Marla (Rees) of Houston is a senior secretary at Tenneco Inc. Mike is a diesel mechanic at Perryton Brothers.

David T. Green is a representative of Provident Mutual Life in Houston.

Rowland Curry of Austin, is an engineer with the Public Utility Commission of Texas, in charge of Telephone Quality of Service.

Ronald A. Todd is a partner in his own architectural firm, The Morter/Todd Partnership A. I. A. His partner, James Morter, is a '68 Tech grad. **John Perkins '70** is one of the Project Architects. Ronald is currently serving on the town of Vail Planning Commission, Design Review Board, and Appeals Board. He is married and has two children.

John Blakey has been promoted to vice president and trust officer at American State Bank in Lubbock.

Gary Bauch has been elected to the position of Vice President of Sessions Mortgage Company. He will be located in the San Antonio office of Sessions.

Allan Bryson is a Varsity coach in Pecos. His coaching duties are the defensive secondary and the offensive receivers. He and his wife, Ann, have two sons.

John B. Walker is living in New York City and is an analyst with Mitchell Hutchins.

Hugh D. Bradberry has been promoted to assistant vice president at Continental National Bank in Ft. Worth.

Capt. Ray L. Caddell is a standardization and evaluation staff officer at Ramstein AB, Germany, with a unit of the U. S. Air Forces in Europe.

Will Parker is vice president and cashier at First National Bank in Tahoka. He and his wife, Gayle, have one daughter.

Wayne Borchardt is vice president of the Citizens State Bank of Lometa. He and his wife, Linda, have two children.

Capt. Johnny D. Mabry is a B-52 pilot in the Air Force. He has been stationed at Dyess Air Base for the past three years. He and his wife, Carole, and their two daughters live in Abilene.

James Sweeten and his wife are living in Brownwood. They have one daughter and a new son who was born in November.

70 Fred M. (Mickey) Jones, an Odessa Attorney, has been selected by the Ector County I.S.D. Board of Trustees. Jones is with the law firm of Shafer, Gilliland, Davis, Bunton and McCollum, Inc.

Carol N. Sullivan was recently named President of First National Bank of Georgetown. He is the 7th President in the history of the bank.

Roger Pendergrass, a native of Winters, has been named district plant manager of electro-mechanical switching at the Lubbock Division of Southwestern Bell.

Mrs. Barbara Jaquess, teacher, has been recently involved in Tahoka High School's Vocational Office Education, a newly implemented course of study for students.

Eddie Rowland has been selected by the Big Thicket Association board of directors as Director of the Big Thicket Museum.

Mrs. Phyllis Ann Freeland was appointed by the Anahuac School District this year as a teacher.

Joseph A. Holley and wife, '71 Pam (Pylant) currently live in New Orleans, Louisiana. They have two sons. Alan is a Sr. Project Engineer for Exxon. Pam is a Homemaker.

Paul "Cooter" Moore and '73 Kay (Fisher) currently live in Talpa, Texas. He is a Vocational Agriculture Instructor in the Talpa-Centennial School System.

James D. DeCastro and '71 Barbara (Grier) live in Oklahoma City, where Jim works for the Oklahoma Dept. of Transportation-Bridge Division-Design Area. They have a new daughter.

Joseph G. (Jody) Durham and wife '69 Kathy (Leonard) reside in San Antonio and Jody is executive vice president of Leonard's Colonial Shoppe. Kathy is busy with Phi Mu Sorority Alumnae work and raising a 3 month old girl.

Barry C. Crobbs has been promoted to operations supervisor with The Western Company of North America in Lindsay, Oklahoma.

Wayne Wilson and wife, '68 Shery Wilson live in Sweetwater and are self employed-Wilson Sales Company-Builders Supplies.

Jimmy Stewart and '72 Pam (Bryan) have recently moved to Austin. He has joined the law firm of Lynch, Jolink, Zimmerman, & Young.

Weldon and Phyllis (Reagan) Beasley live on a farm near Dumas. They have two daughters.

Mike Rigby is vice-president and manager of the newly-acquired Azle Division of Olney Savings. He and his wife, Sunnye, have two children.

Sharon R. Disler has been promoted to first lieutenant in the U. S. Air Force. Lt. Disler, an avionics officer, is assigned at Grand Forks AFB, N.D., with a unit of the Strategic Air Command.

Harold Lanham is the new administrator for the City of Center.

Steve P. Watt has been promoted to the position of director of accounting and assistant controller for Furr's Cafeterias Inc. in Lubbock.

Mike and Mary (McClellen) Ricketts are living in Houston. They have one child and are expecting another one in March. Mike is Inspector for the U. S. Treasury Dept.-Bureau of Alcohol, Tobacco and Firearms. Mary is Dept. Manager for Foley's Dept. Store.

Weldon and Phyllis (Reagan '70) Beasley are living on a farm near Dumas. They have two daughters.

71 Legislative Liaison Assistant for the U.S. Dept. of Agriculture in Washington, **Larry Dale Meyers**, gave the opening address during the Food & Fiber National Institute of Achievement's 2 day annual meeting that was held in September at the Civic Center in Lubbock.

George Ellison "Snuffy" Tom III, has been appointed as new cashier of Commercial State Bank in Andrews.

Charles A. Pharis, currently working on a Master of Divinity degree at Brite Divinity School of Ft. Worth, was installed as pastor of Lubbock's Bethany Christian Church in October. He plans to commute to and from Lubbock to finish his degree.

Head Coach, **Bill Killian**, was recognized as Coach of the Week by the Lamesa Press Reporter in October 1977.

Danny Decker of Plains has been employed by the Terry County ASC Committee as County Executive Director for the local ASCS effective August.

Marilyn Foster Lookadoo is employed by Mobil Exploration and Producing Services Inc. Her husband, '70 Donald is employed by Medical Cities, Inc. in Dallas.

Jim Featherston was appointed high school principal for Seminole school system.

Robby Robinson, a member of the Cisco Junior College Science Department, has been chosen as one of 25 participants in the National Science Foundation Chautauqua-Type Short Courses.

Robert J. Ferem has been named manager of internal auditing for Kerr-McGee Corporation.

Roger A. Springer is currently working with the firm of Paul L. Huberman, Architect in Dallas. He recently married Neta L. Morton.

Linda Kay Chandler has recently transferred from Buffalo, N. Y. to Dallas, where she is a flight attendant for American Airlines.

Capt. Donald T. McCullough is a solid state device analyst and serves at the Rome Air Development Center. He is a member of the Air Force Systems Command.

Dr. Anita I. Bell has received her doctorate degree in psychology from the University of Georgia. She is presently employed as an Assistant Director in the Department of Psychometrics at the National Board of Medical Examiners in Philadelphia, Pa.

Martha Cough is the Youth 4-H Specialist for the Panhandle and South Plains region. She is living in Lubbock.

Glen D. Fisher has been named manager of the Sonora Warehouse Company. He and his wife, Linda, have one daughter.

Michael T. Carlton has been elected vice president by the board of directors of the Lubbock National Bank. He is living in Lubbock.

Ernest Kiker is County Agent for Briscoe County. He and his wife, Vicki, are living in Silvertown.

72 Richard C. Griffin has recently joined Seminole School System as a math teacher.

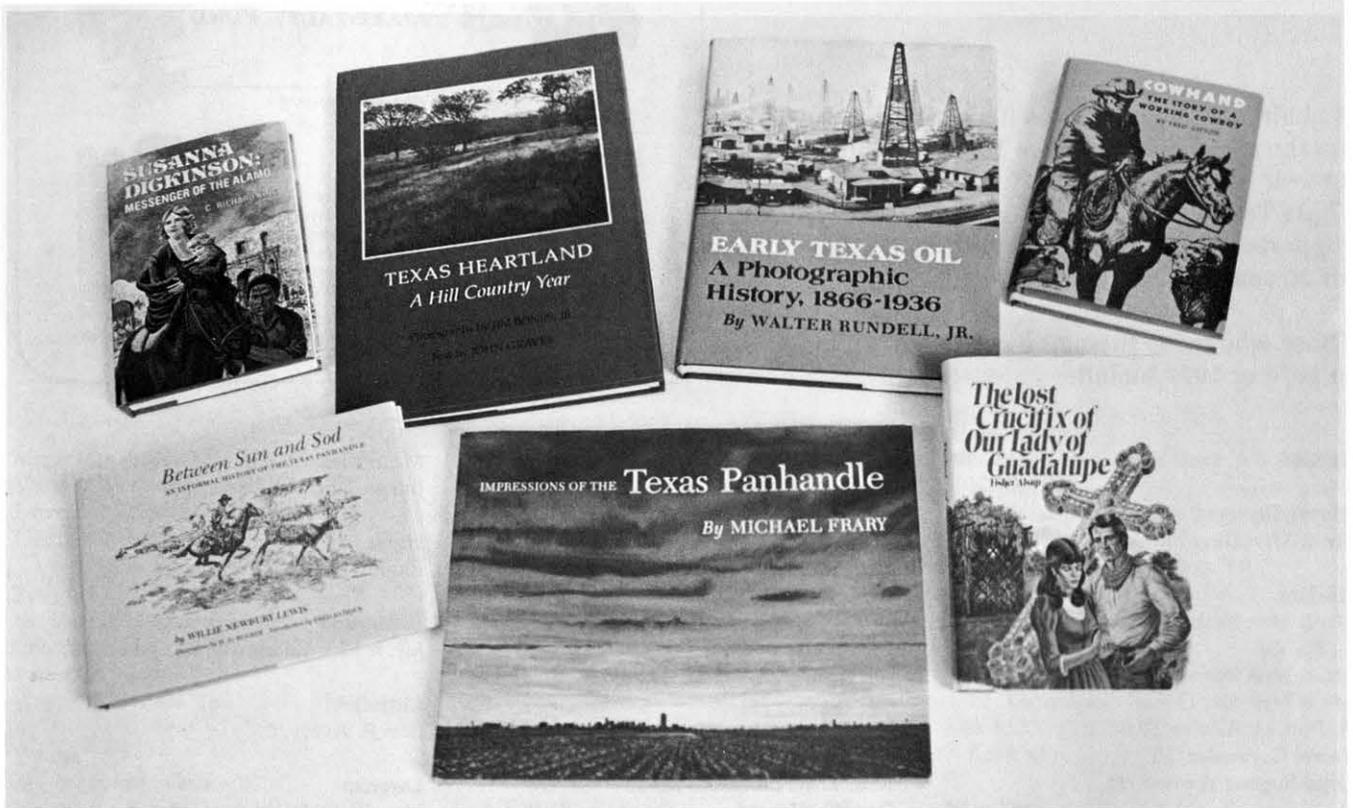
Lewis Henderson has been appointed as salesman in the Ft. Worth Dist. Office of Employers Insurance of Texas.



**The Yellow Rose of Texas:
Her Saga and Her Song
by MARTHA ANNE TURNER**

A masterly exercise in "grassroots" research, this multi-faceted volume explores, in turn, the tale surrounding Emily Morgan, the captured slave girl who figured so surprisingly in the Battle of San Jacinto, the song, its intriguing musical evolution, and the Santa Anna legend. \$7.45

NEW BOOKS FOR YOUR READING PLEASURE



Susanna Dickinson: Messenger of the Alamo

BY C. RICHARD KING

A carefully documented volume follows Susanna from her impulsive marriage to Almeron Dickinson straight on to her last years in Austin and especially her involvement at the Alamo that brings her to the foreground of Texas history. An excellent volume for reader interest in both history and human nature. \$7.95

Texas Heartland: A Hill Country Year

BY JIM BONES, JR., and JOHN GRAVES
A magnificent description and photographic record of a year in the Texas Hill Country. A scene that anyone can appreciate. \$21.50

Early Texas Oil

BY WALTER RUNDELL, JR.

An eyewitness record of the early days of the Texas Oil Industry with the use of 328 contemporary photographs, many up till now unpublished. The text provides the historical setting for the photographs. \$19.50

Cowhand: The Story of a Working Cowboy

BY FRED GIPSON

A true story about Ed "Fat" Alford, a working cowboy. An earthy book tells what the job is really like—the hard-

ships, the hell raising, and the sheer monotony of daily tasks. \$7.95

Between Sun and Sod: An Informal History of the Texas Panhandle

BY WILLIE NEWBERRY LEWIS

A warm, informal account of the rough, restless men who first opened the land and the gentler folk who tamed it. A good book for the Texas Historian. \$12.50

Impressions of the Texas Panhandle

BY MICHAEL FRARY

A book of 64 magnificent watercolors, reproduced in full color, Frary has captured the raw essence of the Panhandle, its endless space and sky, its

harshness and its beauty. A book you will want for your library. \$24.50

The Lost Crucifix of Our Lady of Guadalupe

BY FISHER ALSUP

This historical novel traces the recovery of a heavily jewelled crucifix, a gift of the Queen of Spain to the Lady of the Guadalupe Mission, that disappeared some hundred years before. Interwoven with this search is the romantic account of George Weston's courtship and marriage, one of Texas' greatest cattlemen. A book of gripping entertainment that at the same time beautifully portrays life in South Texas in the late 1800's. \$8.95

Make checks payable to Texas Tech Specialties, %Ex-Students Association, Box 4009, Lubbock, 79409. Please add \$1.50 for handling and postage if order totals less than \$15. Texas residents must add 5% sales tax.

- A. Messenger of Alamo** **D. Cowhand: Working Cowboy**
 B. Texas Heartland **E. Between Sun and Sod**
 C. Early Texas Oil **F. Impressions of Texas Panhandle**
 G. The Lost Crucifix

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Your gift to The Texas Tech Loyalty Fund is gratefully acknowledged. By keeping the annual consecutive giving chain unbroken you are aiding your University and The Ex-Students Association in their growth and development.



A chain is just as strong as it's weakest link, but the chain binding those Techsans holding 20-year link chains in 1977 was strong indeed. These Tech Exes and friends have faithfully supported the Loyalty Fund with their gifts for 20 consecutive years.

Those who made their 20th consecutive gift in 1976 or 1977 include:

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Berlin, Germany

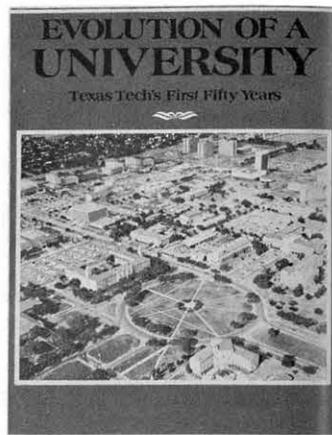
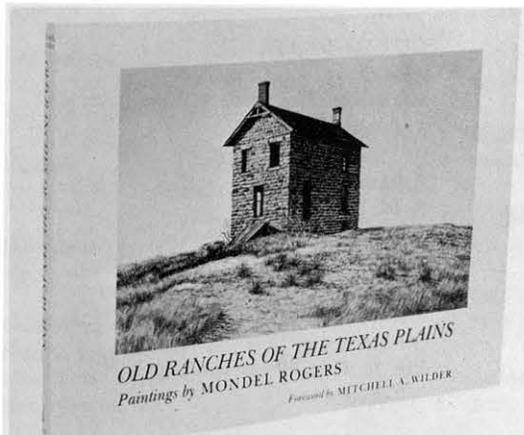
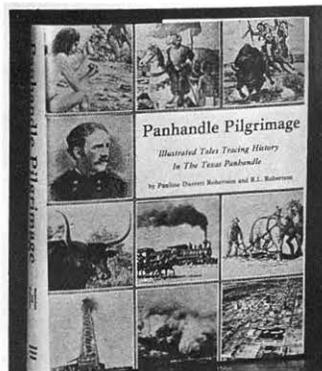
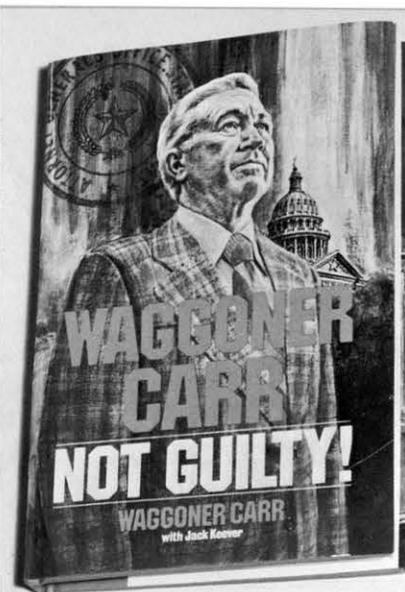
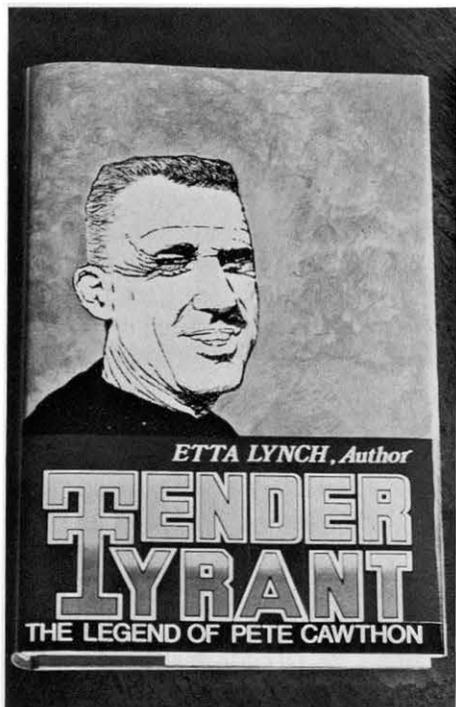
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Waggoner Carr—Not Guilty!

By WAGGONER CARR
with Jack Keever
\$9.50

Former attorney-general of Texas Waggoner Carr tells the story of this 39-month ordeal before winning acquittal for alleged fraud in the Sharpstown bank scandal. Hard hitting and revealing personal experience of putting oneself against the seemingly invincible resources of the Federal Government.

Tender Tyrant: The Legend of Pete Cawthon

By ETTA LYNCH
\$12.50

When Pete Cawthon, Texas Tech's legendary coach, first stepped into the football-coaching spotlight in the mid-thirties, an unforgettable era began, leaving football enthusiasts stunned and awed. For sportswriters, Cawthon provided a literal "feast." For players, he was dedicated to developing in them a life-lasting sense of responsibility, devotion and character. For fellow coaches, he contributed countless hours explaining the same coaching techniques that catapulted him into national fame. And for all, Cawthon left a legend that has been forever imprinted in the annals of football history—a legend that places him parallel to that of his idol, Knute Rockne.

Old Ranches of the Texas Plains

Paintings by MONDEL ROGERS.
Foreword by MITCHELL A. WILDER
\$27.50

In 80 beautiful paintings, 57 superbly reproduced in full color, Mondel Rogers, a native of Sweetwater and a '71 graduate, presents a unique record of the development of ranch architecture on the West Texas Plains, illuminated by his personal feeling for the land and its people. In this "visual document of the golden age of ranching (1870-1917)" are paintings of old ranch buildings as varied as the Palo Duro Camp of Charles Goodnight, the old LX dugout, the stables at the Spur ranch, the barn at the 6666 ranch, and the imposing mansions of cattle kings Milhollon, Gray, Rayner and Moor.

Evolution of a University: Texas Tech's First Fifty Years

By JANE GILMORE RUSHING and KLINE A. NALL
\$9.95

Recreating the excitement of 50 years of student activity, the authors explore the university's past and future. Includes 256 pages and 32 pages of photographs.

Panhandle Pilgrimage

By R. L. and PAULINE DURRETT ROBERTSON
\$17.50

This book is a landmark for the Texas Panhandle. Brought to you in commemoration of our Nation's Bicentennial and the Texas Panhandle's Centennial, it is written and published to honor the events and pioneers of Texas' top 26 counties.

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\$79.00 per pair

All Boots have 12" Tops, shallow scallop and are made of black kiddie leather and inlayed with a double T in red kiddie. Three rows of fancy stitching (two red and one white) compliment the double T.

Style EX 307 has a black melo-veal vamp with a 200 toe stitch design

Style EX 310 has a black carabo grain buffalo calf vamp and a 200 toe stitch design

Boots pictured above were made on a J6 medium round toe and a J utility heel. They can also be ordered with a J4 toe, narrow round, or a J12 toe, round. The J heel is a 1 5/8" utility and the H heel is a 1 1/2" long base walking style.

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(Texas Residents add 5% tax)

No. of Pr.	Size	Style	Toe Style	Heel Style	Unit Cost	Tax	Total
		EX 307	012		\$79.00		
		EX 310			\$79.00		

Editor's Notebook

This and That

There is a move underway in Dallas to try to get the SMU football team to again play their games in Ownby Stadium. The Red Raiders in 1948 were the last team to play SMU, the defending SWC champions, in Ownby Stadium. The Mustangs, led by Doak Walker, bet Tech 41-6.

A small ad hoc committee of the Faculty Senate has been appointed to study the problem of Invocations and Benedictions at university-related affairs and recommend to the Senate ways to alleviate it.

A familiar business on University (College) Avenue for the last 30 years, Brown's Varsity Shop, closed this month. Coach W. W. Brown and his wife, Flossie Burkholder '29 announced that they were closing the business and retiring. Brown was an assistant football coach at Tech and his wife was cashier before entering the clothing business.

Texas Tech University's College of Education honored its first "Distinguished Alumnus," Dr. Charles F. Mathews, executive director of the Texas Association of School Administrators (TASA), and Charles F. Waters, president of the Lubbock Independent School District Board of Trustees, was presented the "Distinguished Friend of Education" award at a dinner sponsored by the Advisory Development Council of the College of Education last fall.

The 25th annual Southwestern Petroleum Short Course at Texas Tech University will take place April 20-21. The West Texas petroleum industry sponsors the event which is organized by the Texas Tech Department of Petroleum Engineering. The newest and most successful production techniques are the primary topics for discussion, but two of the 1978 short course papers deal with solar and geothermal sources of energy as possible future alternatives to petroleum.

Texas Tech University received more than \$7 million in research grants last year, up almost \$3 million from the preceding year.

The U. S. Army Reserve has been recruiting out of State Students heavy on the Campus, by promising them that they would no longer have to pay the more expensive out-of-state tuition.

The State of Texas Collections Board has filed default suits on 64 persons who have received loans at the University. The 64 loans have a total value of \$78,582. The exact default rate at Tech is 6%, and represents a small part of the 16,000 suits filed in Texas. A total of 125,000 students received loans totaling \$210 million.

The Library has installed a new outside book drop where students no longer have to go inside the building to check in books. The drop is located north of the east entrance.

The 39th National Festival of Puppeteers of American will meet June 25-July 1. Approximately 1,000 puppeteers from throughout the world are expected to attend the Festival.

The University Daily has revealed that the Tech football bowl policy provides for "the head football coach and each of his full-time assistants to receive a bonus of one month's salary for a bowl bid."

For the third consecutive year the Texas Tech Lacrosse Club will participate in the Fiesta Celebration Tournament in San Antonio on April 22 and 23 at Fort Sam Houston. Although Lacrosse is one of the oldest games in North America, having been discovered among Indian Tribes by French missionaries in the 1700's, it is not too known on the Tech campus. Dr. Phil Marshall is sponsor of Tech's Lacrosse Club.

Registration for the first session of summer school will be June 5 and classes will begin the following day. The second summer session will begin July 18.

Charlie McClendon, the head football coach at LSU, has been selected to speak at the annual Red Raider Club athletic banquet on April 18 in the Lubbock Coliseum.

Three Tech Exes have announced their candidacy for state-wide offices in Texas subject to their party's primaries. Former Governor Preston Smith '34, is seeking the nomination for a four year term as Governor and Bob Bullock is seeking the nomination for re-election as Comptroller in the Democratic Party. Midland oilman James W. Lacy '49 is seeking the Republican nomination in the Railroad Commission race.

Texas Tech President Cecil Mackey will head a delegation of educators on a State Department visit to Egypt and Greece, which will depart in mid-March and return to the U.S. April 5.

The 12th annual Distinguished Engineer Awards Luncheon will be held April 14 on Campus to honor several Tech Exes. Forty-four Tech Exes from the College of Engineering have received the award in the previous 11 years. The purpose of the program is to honor and recognize engineering alumni who have made significant contributions to society through their professional and civic accomplishments and who, as a result of these contributions, have brought credit to the College of Engineering.

The University Daily, campus newspaper, carries the slogan "It's this Newspaper's Business To Praise Constructive Hell" on the editorial page. The paper is financed through student fees, advertising, and subscriptions.

Who Who's

Michael Wayland Brown, '66, has been saluted at one of "78 People To Watch in '78" in Dallas by D Magazine. An architect and envirotechnics, Brown was one of the founders of the East Dallas Preservation League and his firm specializes in the restoration of older houses.

James S. Parker, Director of the Textile Research Center since 1973, has recently been named Chairman of the Department of Textile Engineering. He replaces Associate Dean Robert Newell '40, who, for a number of years has served as acting chairman.

Dr. Vince Luchsinger '62 has returned to teaching at Tech this semester after spending a year teaching in the University of Utah's M.B.A. program in Europe.

The Ranching Heritage Association has elected Jim Humphreys '47 chairperson of its Board of Overseers and Claude S. Denham '27 as president of the 1,500 member organization.

Dr. Ted H. Forsythe '49, Lubbock, has been elected President of the Texas Association of Obstetricians and Gynecologists.

Gene McMaster '52, Waco, has been elected president-elect of the Texas Cooperative Education Association.

Governor Dolph Briscoe has announced the appointment of T. Euel Liner '32, of Lubbock, a past president of the National Pork Producers Council, to the Texas Animal Health Commission. He replaces Dr. Don G. Brothers '57 of Paducah, whose term expired.

Karen Faye Fisher, a sophomore from Dallas, was presented as a debutante by the Dunbar Social Club in Dallas in January.

Dr. J. Davis Armistead '46, of Lubbock, has been re-appointed to a six-year term on the Board of Regents at the University of Houston by Governor Dolph Briscoe.

Bobby Adams '56, forman of the J. S. Bridwell Ranch, received the "Agriculturist of the Year" award from the

Crosby County Farm Bureau. He oversees 1,200 acres of farmland and 16,552 acres of grassland.

Roger Line '55, who has been Fort Worth's City Manager for seven years, has resigned his position to accept a post with A. Drandt Company, A Fort Worth furniture manufacturing firm.

Romona Skinner, a home economics student from Childress, is the first student from Texas Tech to win the "National Make It Yourself With Wool Competition." Miss Skinner competed against 26 national district and state winners. Mrs. Lillian Kountz, instructor in Clothing and Textile Dept., was her advisor.

Lubbock City Manager, **Larry J. Cunningham '66**, has received the Lubbock Jaycees 1977 Distinguished Service Award as the Outstanding Man of Lubbock.

Keith Samples has been named Tech Sports Information Director to succeed **Ralph Carpenter**. Samples becomes the youngest SWC Sports Information Director at the age of 22.

The trainer at Southwestern Louisiana, **Ken Meurray** has been hired to the same position at Texas Tech to replace **Bob Bissell**.

Dr. Jerry Don Stockton '61, assistant professor of agricultural education has been named the 1977-78 recipient of the Texas Tech Dad's Association Excellence in Teaching Award. The award was created five years ago to recognize professional performance among beginning teachers with no more than four years teaching experience at the University.

Mrs. James Snyder of Baird, the former **Marquerite Brannon, '43** has been appointed to the Texas Agricultural Stabilization Committee, a state-wide policy board of five member which, among other things, counsel with the U. S. Secretary of Agriculture on farm policy. She is the first woman to serve on the Texas committee. To accept the appointment, she resigned as committeewoman from the 30th Senatorial District on the State Democratic Executive Committee. She and her husband, **James '41**, are ranchers at Baird, and have two sons, **Bryon '70** and **Jim '77** that are Tech graduates. James is a member of the Tech Board of Regents.

Dr. Joseph E. Minor, director of the Institute for Disaster Research and a member of the civil engineering faculty at Texas Tech, has been named a Fulbright Senior Scholar to work in Australia. He will leave for Australia February 24, where he will work primarily with faculty of three Australian universities to develop a framework for effective research work in natural hazards in North Australia. Minor was influential in the development of such a framework for the Institute for Disaster Research at Texas Tech and has served as coordinator of research in the Department of Civil Engineering for several years.

Richard E. Saeks, professor of electrical engineering and mathematics, has been named the 1977-78 recipient of the Texas Tech Dad's Association Faculty Research Award. The annual award is presented to the faculty member who has made the most significant contribution through published research during the past academic year. Nominees must hold professorial rank. Research involved must have been done at Texas Tech and of such significance as to merit recognition regionally, nationally or internationally by peers in the researcher's own field.

Dr. Marion O. Hagler, professor of electrical engineering has been named interim director of the Texas Tech University Center for Energy Research, according to an announcement by Dean John R. Bradford of the College of Engineering.

Dr. William F. Bennett, associate dean of the College of Agricultural Sciences at Texas Tech University, has been named secretary of the Resident Instruction Section, Division of Agriculture, of the National Association of State Universities and Land Grant Colleges. Bennett is the

first officer elected from the faculty of a non-land grant institution.

Dr. Magne Kristiansen, Horn Professor of electrical engineering at Texas Tech University, has been elected a fellow of the Institute of Electrical and Electronics Engineers (IEEE). In naming him a fellow the IEEE Board of Directors elected Kristiansen to the highest grade of membership in the organization.

Dr. Kishor C. Mehta of the Department of Civil Engineering, has been named chairperson of the Subcommittee on Wind Loads for the American National Standards Institute (ANSI). Mehta has gained nationwide recognition as an authority in wind engineering through his work with the Texas Tech Institute for Disaster Research. The institute was organized following the 1970 Lubbock tornado and emphasizes research in wind engineering.

Mrs. Grace S. Thompson '37, Texas Tech secretary in Student Life, has received an award of appreciation for her service to students at the university. Mrs. Thompson has been a secretary in the office of Dean of Students, Lewis N. Jones, six years. The presentation was made by Beta Sigma Chapter of Alpha Phi Omega, a service organization which Dean Jones has sponsored. Specifically, the Texas Tech secretary is cited for "service to the student body" and for "kind, generous, helpful service" she has given members of the service organization.

Dr. Camille G. Bell, Chairman of Tech's Home Economics Education Department, was named this month as "Home Economist of the Year" by the Texas Home Economics Association.

Mrs. Peggy Pearce, an administrative assistant in the Alumni Affairs Dept. for the past four years, was named Interim Director of The Ex-Students Association when Wayne James resignation became effective March 15. Mrs. Pearce, a 1970 graduate of West Texas State University, will carry on the daily activities of the Association until a new director is named.

Do You Remember?

Club Scarlet?
When De Witt was given a new Cadillac?
Washbowl Game between the Drane Stoppers and the Sophisticated Plungers?
The Kappa Sig Homecoming Float that was made from cotton?
Slime Caps?
The football out-of-town trip to Baton Rouge?
Faculty Talent Shows?
The Social Clubs becoming the Greeks?
Varsity Shows?
Playing Bridge in the Rec Hall?
Dudley Johns?
Sing Song?
Hungarian Relief Drive?
B.S.O. Retreat to Cloudcroft?
Double T Association Initiations?
When Tech had a fencing team?
Wayne Davis leading yells?
When coeds could wear levi's only on "Levi Day?"
When Tech only had 2 Vice Presidents and no Associate or Assistant V.P.'s?
Fats Domino at the Phi Delta Ranch Dance?
Sunday night supper at Pete's Cafe?
The day the Union Building was closed during Rodeo Week?
The haircuts in Sneed Hall?
The Tower and Tech Theaters on College Avenue?
Late night coffee at Bob's Cafe?
Eight o'clock classes on Saturday?
Dr. S. S. McKay's football predictions?



Ireland Escapade

**August 15-
August 23, 1978**

Texas Tech Exes have an opportunity to visit Ireland for 8 wonderful days this summer and go kiss the real Blarney Stone!

Texas Tech Specialties Inc. and Texas Tech Ex-Students Association has arranged for a "Ireland—1978 Escapade." The 707 Pan American plan will depart Dallas-Ft. Worth August 15 to Dublin and return August 23 from Shannon Ireland.

The Techsans will be traveling with alumni from Mississippi State University.

Space is limited and reservations are accepted on a first-come, first serve basis. A check for \$175.00 deposit must accompany each space reserved. Reservations must be paid in full by June 15, 1978.

A complete folder on the trip may be obtained by writing Texas Tech Specialties Inc., P.O. Box 4009, Lubbock, Texas 79409 or calling The Ex-Students Association Building, (806) 742-3641.

Arrangements for the tour were made with Alumni Holidays Inc. who also handled arrangements for the successful Rhine River Trip in 1977.

The trip is expected to sell very soon. Send your check for your reservations today!!

THE TOUR PRICE INCLUDES

- * Pan Am Jet charter, round trip, to Ireland, with snacks, meals, and cocktails en route.
- * Twin-bedded rooms with baths in the deluxe hotels listed, or similar.
- * Services of an experienced Alumni Holidays' Tour Directors in Ireland.
- * All touring mentioned in the itinerary—private deluxe motorcoaches throughout the tour.
- * Full Irish Breakfast daily.
- * Lunches on three of the days!
- * Dinners each evening except one in Dublin.
- * Medieval banquet in a real Irish castle.
- * Gratuities to hotel staff, porters, and maids.
- * Arrival cocktail Party.
- * Special flight bags, passport wallets, maps of Ireland.

SPECIAL ALUMNI PRICE ONLY

(Per person)
From Dallas

\$899⁰⁰*

Plus 10% Taxes and Services, Payable in Advance.

*Open to members of the Ex-Students Association and immediate families only.

(183 Passenger Capacity 707-Jet)

For more information and a brochure, write Texas Tech Ex-Student's Association, Box 4009, Lubbock, Tx 79409 Telephone (806) 742-3641

The Texas Tech Century Club 16 Consecutive Years of Membership

The Texas Tech Century Club was organized in 1961 with a small number of dedicated members. A number of the charter members are now deceased or have either missed one or more years in renewing their memberships.

The following individuals and couples were charter members of the Texas Tech Century Club in 1961 and have renewed their memberships each year since 1961:

Mr. & Mrs. Tom Abraham, Canadian
Mr. & Mrs. Eugene Alderson, Lubbock
Dr. Joe Arrington, Lubbock
Mr. & Mrs. Verlon Bigham, Lubbock
Mr. W. C. Bigham, Lubbock
Mr. & Mrs. Ralph Blodgett, Spearman
Mr. & Mrs. Rob Brown, Throckmorton
Mr. & Mrs. R. Trent Campbell, Houston
Mr. & Mrs. Warlick Carr, Lubbock
Mr. J. C. Chambers, Lubbock
Dr. & Mrs. Harold Cheek, Dallas
Dr. & Mrs. John Cobb, Lubbock
Mr. Bill Collins, Lubbock
Mr. & Mrs. Ray Crowder, Lovington, N.M.
Mrs. Roy B. Davis, Lubbock
Mr. & Mrs. G. C. Dowell, Fort Worth
Mr. & Mrs. Donnell Echols, Lamesa
Mr. John P. Foster, El Paso
Mr. Roy K. Furr, Lubbock
Mr. & Mrs. Earl Fuson, Dallas
Mr. & Mrs. John Grissom, El Paso
Mr. & Mrs. Mancil L. Hall, Littlefield
Mr. & Mrs. A. J. Hewett, Greensboro, N.C.
Mr. & Mrs. J. Culver Hill, Lubbock
Mr. & Mrs. H. H. Hinson, New York, NY
Mr. & Mrs. Ralph Hooks, Abilene

Mr. Claude Hutcherson, Plainview
(now deceased)
Dr. & Mrs. Ben Hutchinson, Lubbock
Mr. Wayne James, Lubbock
Mr. & Mrs. Roger L. Kuykendall, Lubbock
Mrs. George Langford, Lubbock
Mr. & Mrs. Robert H. Lewis, Beirut, Lebanon
Mr. & Mrs. Jack Maddox, Hobbs, N.M.
Cong. & Mrs. George Mahon, Washington, D.C.
Mrs. Leslie Mitchell, Lubbock
Mr. & Mrs. George Morris, Lubbock
Mr. J. Edd McLaughlin, Ralls
Mr. & Mrs. Leland Payne, Lubbock
Mr. & Mrs. Willis W. Phillips, Borger
Mr. & Mrs. Howard A. Price, Lubbock
Mr. & Mrs. T. A. Rodgers, Lubbock
Mr. & Mrs. B. E. Rushing, Jr., Lubbock
Mr. & Mrs. W. B. Rushing, Lubbock
Mr. & Mrs. Wilmer Smith, Wilson
Mr. & Mrs. Haskell G. Taylor, Lubbock
Mr. & Mrs. J. G. Threadgill, Dallas
Mr. & Mrs. C. I. Wall, Amarillo
Mr. & Mrs. W. W. Watkins, Ralls
Dr. & Mrs. Clarence Whiteside, Jr., Redlands, Calif.
Mr. & Mrs. Bruce Zorns, Brownfield

Why you need a will

Everyone knows that "you can't take it with you" and that it is wise to plan ahead for a constructive way to leave your property. There are a number of reasons why a valid and up-to-date will is important to you and your loved ones.

For instance, you, not the state's arbitrary intestacy laws, should determine to whom, how and when your property should be distributed. Likewise, you, instead of some unknown judge, should name the executor who will manage and settle your estate according to your desires. Many times, expensive bonds can be avoided.

A will is also important to persons with families so that they can designate the guardian who can raise their minor children and manage their property. In addition, a will can create a trust for your spouse, children and others to protect them against loss which might result from their inexperience in financial affairs.

Trusts can also save you taxes. Estate taxes are often reduced, and sometimes eliminated, through a will. Another advantage of a will is that you can specify whose share of the estate will be charged with whatever taxes there might be.

There are a number of reasons why a person's will should be reviewed periodically. One of these is that both federal and state tax laws have changed and these changes may affect the taxes on your estate. A review will also help you to make sure that any child born after the will was written is included and that some beneficiary is not already deceased.

When your will is prepared, or when your will is revised, we hope you will consider a bequest to the Texas Tech Ex-Students Association Endowment Trust. All gifts to the Endowment Trust are invested and will remain intact from now on. Only the interest will be spent each year. So, the benefits of a bequest will go on and on.

If you have no will, now is a good time to make one. If you have a will, now is a good time to have it reviewed in light of current circumstances.

For additional information on this or other types of gifts to the Endowment Trust, please write:

Texas Tech Ex-Students Association Endowment Trust
Texas Tech University
Lubbock, Texas 79409

THE FINAL -30-

By Wayne James

For over 20 years I have had a rare opportunity of working to aid Texas Tech in a way that few Tech Exes will ever have—as a member of the Ex-Students Association.

For the last 18 of my 20 challenging and satisfying years, it has been my privilege to head up the Association staff and work with volunteers in a program which aimed at the continuous renewal of the organization. The goal has always been focused on *what the Association will be and what it will do for Texas Tech and its Ex-Students and not what it has been.*

During the last two years many of the dreams that hundreds of volunteers, Exes and I have had for the Association and what it could do have become a reality.

Last summer while on the first real vacation in over five years that Peggy and I have had together without some Tech business being involved, I decided 20 years was long enough—that it was time to turn over to new hands a job that has been more a way of life than a means of earning a living.

I decided that it was time for me to seek a new way of life that would offer me a different career pattern and an opportunity to start a retirement program that would someday help to care for us. My decision was prompted also by the fact that the Association had completed a series of goals I had set for it and that to reach new goals and objectives I would have to commit myself to staying another two or three years. I felt that we must at last not wait any longer to put our future ahead of our love for Texas Tech.

Peggy and I kept our plans secret until this month. There was so much we wanted to accomplish before we made the announcement. We had prayed often that we had made the right decision.

Most people, including some of my closest friends, have described mine as “an impossible job”. To me, it was never that—although helping direct an alumni association isn't the kind of work to which I expected to devote two decades of my working life, it does as one former alumni director put it—take a kind of personality that combines Dale Carnegie with Clyde Beatty.

I hope I have learned the art of winning friends and influencing people, and taming lions when that was demanded. But the job requires other skills, like coming up with fifty-yard line seats when the football stadium was sold out, or getting a room in the dorm for an influential Exes' daughter when the dorms have been full for months, or explaining why out-of-state Exes' children couldn't be admitted to the University when their ranking was too low.

Or convincing students that all alumni aren't football jocks. Or finding a contact in a remote locale for a professor whose research was stymied. Or locating a job for a young graduate who was at the end of his rope.

Despite the unsigned “hate” and “complaint” mail which seemed to arrive too often and a few other irritations, the two decades in the job, I am sure, will always be some of the happiest in my life.

The friends I have made among the thousands of Tech Exes who live in all 50 states and many foreign countries, the chapter meetings I addressed, the thrill of the annual Distinguished Alumnus Award presentation, presenting a scholarship check to a needy and deserving student, touring the campus with a prospective student and their parents, greeting returning Exes at Homecoming, hearing Exes tell about the first time they visited the President's home, attending the “Old Timers Dance” at Homcoming, presenting an award at Commencement to the highest ranking graduate—these and thousand other happy memories shall always be a part of me.

I have already forgotten most of the few bad times, the disappointments, the long hours in the office at night and other unpleasant things that too often accompany a job like I have had the past two decades.

But more important I leave with a clear conscience that I tried to do the best I could under the circumstances at the time. I am proud to have had the opportunity through the years to have worked with some great staff members and some devoted Association Officers and Directors that believed in the Association and what it could do just as much as I did. Many of them were willing to go more than the extra mile with me. I know that they too must feel pride in the accomplishments of the Association in recent years and realize that they had a hand in making these possible.

Just as I hope the Association can benefit from the renewal that can come with a new director, I, too, am looking forward to a personal renewal in some new career. I pray for both the Association and it's future as well as for my own, my wife's and my parent's.

I also look forward to continuing to work for Texas Tech University as a volunteer and feel confident that my efforts in the future will be of tremendous benefit for Tech.

For over 20 years the hobby of many Exes—participating in the Ex-Students Association—has been my profession, my livelihood. I hope you have enjoyed your hobby as much as I have my profession.

Scoggin-Dickey's Free Spirit Vans from Good Times should suit you to a

In the Spacious Commuter there's plenty of room to stretch out and relax in the four swivel, full reclining Captain's Chairs in the front, or the couch/sleeper in the back. There's a wet bar, sink, ice chest, bar storage, and even a closet for garment bags. In the Commuter everyone can enjoy the scenery through large, smoked glass windows while listening to music from the Stereo Radio, or 8 Track Tape.



STADIUM VAN



You'll journey in style when you ride in the luxury Stadium Van! It's wall-to-wall comfort, from four swivel Captain's Chairs in the front, to the horseshoe dinette/sleeper in the back. The Stadium is hospitality on wheels, equipped with a wet bar, ice box, cocktail table, and snack trays! The colorful interior is enhanced by the intimate lighting and plush carpeting throughout. And the custom mural or graphic paint design is sure to catch every eye on the road. The Stadium Van is performance and style — all wrapped up in one!

Like most Techsans, you probably do a lot of traveling, in town and on the road — and you want to do it in style and sometimes with many members of your family or friends. If so, your next vehicle should be a Free Spirit Van from your fellow Techsans at Scoggin-Dickey.



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BUICK AND OPEL

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