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Texas
Techsan

PUBLISHED BY TEXAS TECH EX-STUDENTS ASSOCIATION

September, 1968



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ABOUT THE COVER

The symbol of Texas Tech spirit, the Red Raider, circles the field and leads the football team into the stadium at the start of each game. Johnny Bob Carruth, junior agriculture major from DeLeon, will ride Charcoal Cody this season; in the horse's sixth year as the Red Raider horse. For related story see page 3. Photo by Milton Adams.

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An Editorial

What Makes A Great University?

For ten years, there has been talk of a name change for Tech. There have been speeches, editorials, and marches by persons who want to see the word "university" included in Tech's title.

In the clamor for a change, sometimes we forget that we do not want to see Tech become just "any university." We would like to see Tech become a great university. Yet what makes a truly great university?

To some it may be size; to others, the caliber of instruction and research; to a few a winning football team, high salaries, beautiful ivy covered buildings surrounded by grass and ample space for parking. Still others may name additional factors which they believe indicate that an institution is "great."

Actually, none of the above, acting alone, can create greatness, although they may point in that direction.

It is more important to measure a university in its terms of human resources than by any other standard. We can identify, for instance, students, staff and alumni as three principal groups of human resources related to a university. The performance of individuals in each of these groups creates the necessary attitudes to build an image of a truly great institution.

When one begins to "stir the pot," faculty and staff ingredients can be likened to the staff of any major business corporation. Should these persons, whether they be teachers, researchers, administrators, service or

clerical employees, lack a sense of dedication, a true sense of responsibility and a desire to perform to the best of their abilities, the total mixture is likely to be somewhat tasteless. The student ingredient must develop its own sense of responsibility, and must possess the energy and purposefulness which amplify its performance.

Proper relationship between these "ingredients" will then result into a valuable third group of human resources, "the alumni."

Every corporation is measured to a great degree by the product it produces. Higher Education is no different. The alumnus represents the production effort and therefore reflects credit or discredit to his school by his performance throughout life.

Only when these three ingredients—faculty and staff, students and alumni—are successfully blended is a University able to bask in the brilliance of true greatness.

A fourth and important group, the friends of Tech, also plays a large part in this blend.

Because such things as attitude, faith and pride are idealistic and intangible, we are not in the habit of using these as criteria of measurement. We are in the habit of measuring with material items; therefore, our performances must be materialistic if they are to produce the ideals for which we long.

Every former student should make his alma mater a full partner in his every day life. It may not seem too

important to make an annual gift to his alumni association, but in this way an individual may indicate his faith and pride in his institution.

In this day and age of modern philanthropy, every former student should accept his institution as a full partner among his other philanthropic involvements. It need not minimize other interests, but it should be the equal recipient of his donated dollars.

Most Tech Exes, like alumni from others schools in this area want their Alma Mater to be Number One in football, Number One in staff recruitment, First in terms of academic prowess. We all want these things because when our institution achieves such glory, we bask in its limelight.

But, how about Texas Tech becoming Number One in the number of Alumni contributors? How about our Alma Mater becoming Number One in the largest average size gift by Ex-Students? These are standards of measurement too.

Foundations and corporations are quick to assess standardizing measurements of alumni support when considering grants which are so important in achieving academic excellence. Here is one ingredient that neither student, staff, legislator nor public citizen can provide. This ingredient rests squarely on the shoulders of you and me as Ex-Students of what we hope is a truly great University.

We, as alumni, have total control over these standards of greatness.

W. J.

The Red Raider—Symbol of Tech's Spirit

For a split second, the football fans, crowded shoulder to shoulder in the stands, are silent.

Then wild cheering begins, and the crowd, as a body, rises to its feet.

It is the gallop of hoofs, the sight of the Red Raider, that leaves the crowd breathless, then drives it to frenzied applause.

The masked rider is as much a part of Texas Tech as the Double T, and the embodiment of the spirit and tradition established in the 43 years Tech has been a college.

The spark that grew to the modern-day tradition began in the mind of Bert Eads in 1953.

Eads, a member of the Hockley County Sheriff's Possee thought of the Raider as a way to capture the memories of the spectators at the Gator Bowl on Jan. 1, 1954.

An old black cowpony called Blackie was donated and Joe Kirk Fulton, an agriculture student at Tech, agreed to ride the horse at the game.

The entry of the first Red Raider at the Gator Bowl was a surprise to even the Tech fans—they were stunned at first, then the cheering started and a Tech tradition had been begun.

Fulton was officially designated as the Red Raider and circled the field before each game in the '54-'55 season.

Tech Beauty was perhaps the most often remembered of the the Raider horses.

Beauty was born on the Tech campus and spent her life as a symbol of the growing, dynamic college. She was owned by Tech and "loaned" to each year's Raider by the Department of Agriculture.

In 1962, Beauty was a victim of the strange disappearance that plagued

Southwest Conference mascots often that year—two days before the Tech-A&M game, the beautiful black horse was "kidnapped."

She was found—after the game—in a barn outside of Lubbock. Pranksters had clipped her hair haphazardly, and for awhile, tempers ran high in the conference.

Tech Beauty was replaced by Charcoal Cody, the black gelding still used today. It was planned that Tech Beauty II, the mare's colt, would be a mascot when grown, but the colt was brown and never as flashy as its mother.

This will be Charcoal Cody's sixth season as the horse that heralds the Raider football team onto the field.

The black horse wasn't always the symbol of Tech—In the 1930's there was a different idea. According to Ruth Horn Andrews' book *The First Thirty Years*, the Saddle Tramps sent the first symbolic Red Raider galloping around the football field—on a palomino stallion named Silver.

The more recent masked riders, since Fulton, have all been horse herdsman at Tech. Russell Hudspeth was the Raider in 1955-'56; Jim Cloyd in '56-'57, Don Hollar in '57-'59, Hud Rhea in '59-'61, Kelly Waggoner in '60-'62, Bill Durfey '62-'63, Douglas (Nubbin) Hollar '63-'64, Douglas (Dink) Wilson in '64-'66, and Nubbin again from '66 to '68.

Johnny Bob Carruth, a junior agricultural education major from DeLeon, will be the masked rider this year. The modern riders wear scarlet satin outfits covered with gold braid and topped with the traditional cape.

The Red Raider, masked and dashing, is a Tech tradition that will not soon be forgotten. The black horse and rider embody the spirit that is Texas Tech.

Tech Beauty is, perhaps, the most often remembered as the "Red Raider" horse. The flashy black mare galloped the football field many times during her long tenure. It was hoped that her colt, Beauty II, would be able to replace her as the mascot, but the lanky colt was never as beautiful as its mother.



Tech's School of Engineering Yesterday, Today, Tomorrow

By DR. JOHN R. BRADFORD '42
Dean of School of Engineering

The School of Engineering at Texas Tech has always had as its Castor and Pollux, the twin ambitions of innovation and study, unremitting progress. Through the years those of us associated with the School of Engineering have continually pressed for those programs which would elevate not only this school of the university, but the institution as a whole. We have prognosticated trends and advocated measures for meeting the necessities so obviously arising. Some fine achievements by the university have come out of these efforts. Now, however, as never before, we are confronted with a situation so critical that action must be taken, and taken boldly, if this university is to rise to that respected eminence for which all of us who care for it wish so devoutly. Tech now simply cannot afford anything but the maximum effort to expand graduate and research programs. The reputations of the distinguished universities of America rest upon the distinguished reputations of their faculty members and *their* reputations rest upon the outstanding research which they do.

Industry points out the crisis in engineering manpower, and the multidimensional aspects of the problem are admitted. It asks what can be done, and suggests a "total approach." To Texas Tech this means:

The opportunity exists to have a distinguished part in what must be a total national approach; and bringing this a step nearer in degree of meaning and responsibility: opportunity is not only knocking, but clamoring at Tech's door. That "tide in the affairs of men, which taken at the flood—" has risen to our very threshold. "Now," indeed, "is the time."

To demonstrate some aspects of the leadership of which Tech is capable, let us consider these "firsts:"

1. Our Core Curriculum, inaugurated in 1955, has been the inspiration for other colleges, and recently the Coordinating Board adopted the concept statewide. At our own university it has been highly successful, leading, ultimately, to more and better students of engineering, through, among other factors, postponement of specialization decisions until a more responsible point in the student's intellectual and professional development has been reached.

2. The Department of Electrical Engineering at Tech has for many years provided outstanding leadership in Electrical Engineering education. Approximately eight years ago, a design laboratory for use by students at the undergraduate level was instituted, and although students found the laboratory concept considerably more demanding, it drew upon their originality and ingenuity so rewardingly that expanded facilities, with additional equipment, became a necessity. As a result of this success, many other universities, including, interestingly enough, MIT, have followed our lead. During the last few years a massive developmental effort in the Department has been under way in solid state electronics, plasma dynamics, and quantum electronics. Research in these areas has progressed far beyond our most optimistic anticipation, and during the past two and one-half years over 20 research grants and projects, amounting to approximately \$200,000, have been received by the Department.

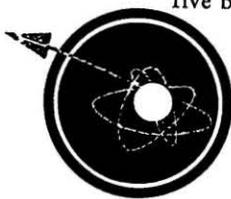
3. The Interdisciplinary Ph.D. in Engineering, a "first" in Texas, and instituted by Texas Tech, has now been initiated at three other universities.

4. The two-hour Freshman course in Engineering Analysis and Design inaugurated in 1966 has resulted in many Freshmen expressing far greater interest in engineering problems and their solution by use of high speed computers. Results are not fully conclusive, but we believe that much of the apathy on the part of Freshmen toward a career in Engineering has been dissipated.

5. Another "first," the off-campus Master of Engineering Degree Program, was approved January 15, 1968 by the Coordinating Board, and since has inspired extreme interest on the part of Texas universities, and inquiries as to methods of its implementation.

In the realm of Textile Engineering and Research, the extensive addition authorized by the Board is now under construction. Much more effective liaison with industry; top leadership in this field; opportunity for the most effective research in the field so economically important to our region and our nation, are but a few of the advantages growing out of this authorization.

At present, instructional and research programs in the five basic sectors of Industrial Engineering are well balanced:



Biotechnology and Human Performance; Quantitative Techniques; Manufacturing Science; Management Systems; and Decision Theory and Control Systems. Continuing growth is confidently anticipated.

History Expansion: Development

In order to understand our relative position as whole at the present time, it is necessary to review a little of our history. It has been said that "those who forget history, repeat it," and we cannot afford, in terms of either time or money, to repeat the efforts of the past ten years in promoting Tech's development.

From its inception, in 1925, Texas Tech has endeavored to live up to the purposes and ideals specified for it in the Bill by which the Thirty-Eighth Legislature established it. At once a tradition of greater-than-expected enrollment was born, for the original faculty of two had immediately to be expanded to five, the following year to nine. Initially, the entire School of Engineering was housed in the now Industrial-Textile Engineering Building, with floor space of less than 10,000 square feet. Offices were created by hasty partitioning of some laboratories; classrooms by enclosure of the cloister on the south side.

The beginning of continuing progress for the School of Engineering occurred in 1928, when its first three graduates received their degrees, and when it occupied the first major addition to the original facilities: the West Engineering Building.

Four decades past this milestone, the School of Engineering occupies 250,000 square feet of space; anticipates graduating 250 students; has registered approximately 2500 undergraduate and graduate students during the year, and has increased its staff to more than 145 members.

The School of Engineering is a conjugate entity, purveying both architectural and engineering education. In this report, the two operational aspects will be discussed independently.

Architecture

The teaching of *design* is the core of the instruction in the Department of Architecture, and embraces two major curricula. Concentration is upon the creative development of the student as an individual, through the expansion of his capacity for principled and disciplined thought, with professional orientation.

The Department of Architecture is fully accredited by the National Architectural Accrediting Board. At the last inspection in 1966, the NAAB accepted the Inspection Committee's recommendation for continued accreditation for the usual period of five years.

On the drafting table, and well along in its development, is the new Architecture-Art Building, which will provide much needed space and new facilities. As stated in the "Eight Year Plan" submitted in May, 1964, to the Board of Directors by the School of Engineering, the Office

of the Dean recommended the establishment of Architecture as an independent School by 1971. This date coincides with the completion of the new facilities, and the move from the present Architecture Building.

Supplying much needed effort in architectural research, the Department has emphasized programs in city planning, environmental design, and indigenous architecture of the Southwest.

Engineering

The School of Engineering has undergraduate programs in Agricultural, Chemical, Civil, Electrical, Industrial, Mechanical, Petroleum and Textile Engineering; and Engineering Physics. As measured by the Engineers' Council for Professional Development (ECPD), accreditation, and records

ABOUT THE AUTHOR—Dr. John R. Bradford has been Dean of the School of Engineering since 1955 and is a professor of Chemical Engineering. He has been a member of the U.S. National Commission for United Nations Educational, Scientific, and Cultural Organization since June 15. Dean Bradford is also Director of the Institute of Science and Engineering at Tech. He received a B.S. degree in '42 and a M.S. in '48 from Tech and his Ph.D. was earned at Case Institute of Technology in '53.



of our students in other graduate schools and industry, our undergraduate program is a success.

All departments except those of Civil and Textile Engineering have earned the highest accreditation. Civil Engineering was cited again for its lack of laboratories, and of graduate and faculty research. Textile Engineering problems stemmed from low enrollment and resultant limited faculty. Remedial steps have been taken in both departments, and it is anticipated that the filing of a progress report with ECPD will result in a continuation of the accreditation of the two curricula through 1971, when all nine will be re-inspected.

In remedial action, the Board already has approved construction of additional Civil Engineering laboratories, including a fluid dynamics laboratory on which construction is expected to begin by late Fall, of 1968.

Regarding Textile Engineering, increased emphasis is being placed upon research, distinguished new faculty members have been acquired, with resultant reawakened and enhanced interest on the part of students.



Programs toward attainment of Master of Science and Doctor of Philosophy Degrees are offered by the Department of Chemical, Civil, Electrical, Industrial, and Mechanical Engineering. There is, as well, an interdisciplinary program in Engineering at the Ph.D. level. The Master of Science Program was initiated in 1959; the Doctor of Philosophy, in 1964.

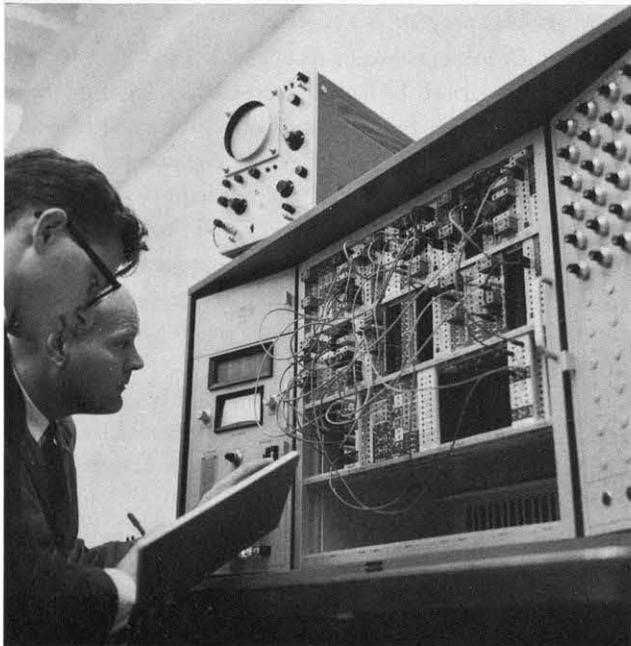
Graduate programs leading to the Degree of Doctor of Philosophy are available to students in the conventional fields of chemical, civil, electrical, industrial, and mechanical engineering. In addition, a complex of interdisciplinary courses leading to the doctorate, and from which the student selects work from such areas as systems engineering, aerospace, electronics, transport phenomena, mechanics, thermal sciences, materials sciences, operations research, mathematics, or bio-engineering studies, is offered.

Research programs are being developed in each of the broad fields of graduate study. The absence of a Ph.D. program prior to 1964 virtually precluded the development of significant research. In general, our initial doctoral students are just getting well into their research problems. Additional research will be generated by the results obtained.

At our stage of development, one of the most pressing problems is that of graduate student support. Unfortunately, our graduate stipends are not competitive, nor are there enough of them. This lack has been the greatest single impediment to growth of our graduate and research programs.

Two events improved our recruiting position—the

The Electrical Engineering Department of the School of Engineering is particularly recognized in the research areas of solid state electronics network and system theory, electromagnetic theory, and physical electronics. Research is also done in the fields of quantum electronics, direct energy conversion and plasmas, plus statistical communications and the analysis and synthesis on nonlinear systems.



initiation of the Ph.D. program, and salary increases, in 1965; however our salary position has dropped somewhat the last two years.

One of our primary problems is that a number of the members of our faculty are best suited for undergraduate instruction. This is a natural consequence of our history. The faculty and supporting staff, moreover, is not sufficiently large to make possible the rate of progress which now is mandatory.

Facilities within the School of Engineering, except in the Department of Electrical Engineering, may be said to be satisfactory—for the undergraduate level. Roughly speaking, the Departments of Engineering have approximately 80,000 square feet of laboratory space; the Department of Architecture, approximately 40,000 square feet.

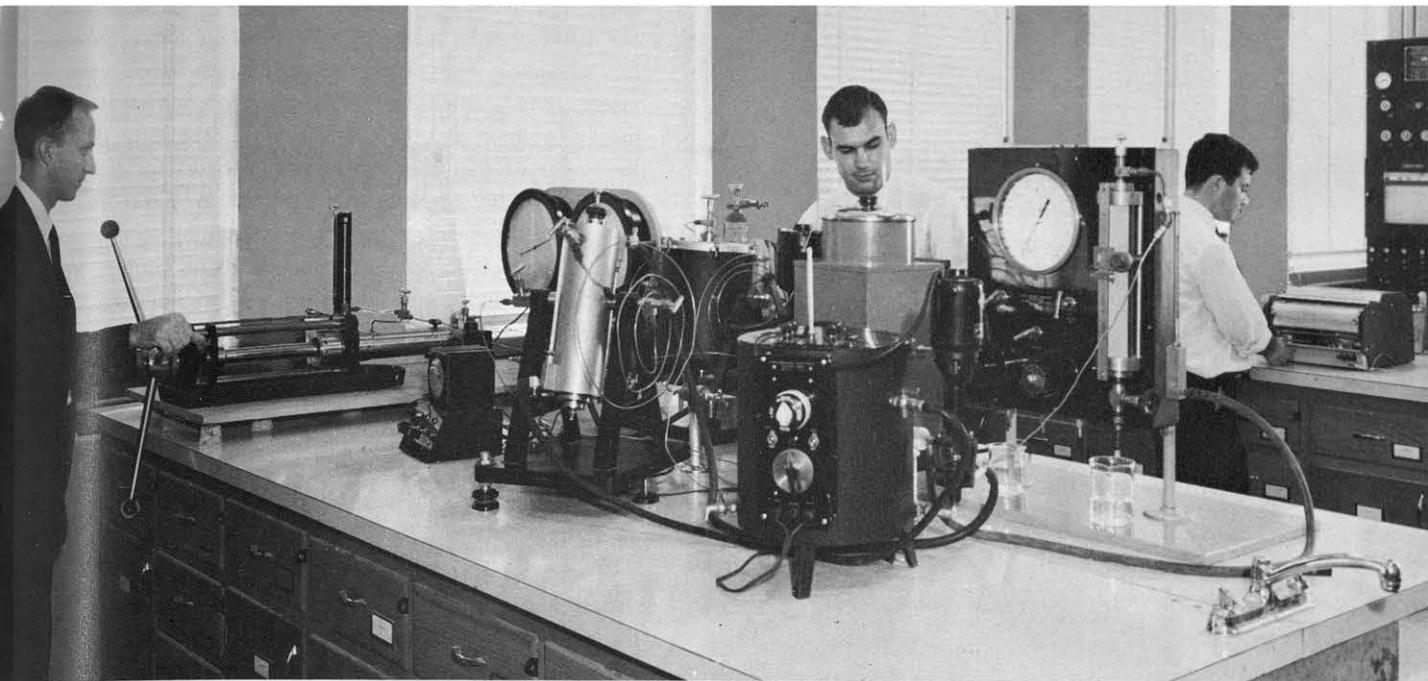
The facility situation in the case of the graduate program in engineering is far more serious. Expanded activity within the Department of Electrical Engineering and the Graduate School, as well as growth of the undergraduate operation, primarily at the upper level, has created a most critical space problem. Indeed, without exception, every department is short of space for both teaching and research. In many instances graduate teaching assistants do not even have desks, much less office areas for the counseling of students. It presently appears that the sophomore non-major laboratories will have to be discontinued, and a severe restriction placed upon use of the student design laboratory for the junior and senior electrical engineering majors. For several years now, it has been our hope that the space currently occupied by the Department of Architecture would be released upon their move to new quarters, and that the Department of Electrical Engineering would be able to move into it. Should this eventuate, space now occupied by Electrical Engineering would be available for the development of Engineering Analysis and Design, in the present Electrical Engineering Building.

Accreditation of undergraduate engineering programs has been the responsibility of the Engineers' Council for Professional Development. To date, there has been no accreditation of graduate programs. Our curricula have been strongly affected by the accreditation criteria. Growth of undergraduate engineering enrollment over the years has been about six per cent per year, and is expected to remain about the same. Figures of eleven per cent for Master's Degrees, and twelve per cent for Doctor's, are reasonable.

The Future

Ultimately, our job will be to prepare students for post-baccalaureate studies along three separate routes: systems engineering, design, and research; while at the same time providing them with sufficient knowledge of the humanities to provide them with a background of human experience which will illumine interrelated problems of modern life. Our intermediate task will be to continue preparing engineers for immediate employment in industry.





Research in Petroleum Engineering is centered in the fields of gas engineering, production technology, and reservoir mechanics and performance. Housed in its own building, the department has laboratories designed and equipped for several areas of petroleum technology.

Part of our responsibility as Engineers is the interpretation of technology. This requires training in those socio-humanistic sectors *relating to technology*. There is great opportunity for a program of liberal technology for the accomplishment of this. Simply to require random courses in the humanities, with no follow-up in the student's education relating technological activities to humanistic considerations, is not sufficient. A converse aspect of this same problem is the general inability of nontechnical people to handle technologically related problems of society. We believe that the School of Engineering can provide a great service to non-engineers through a liberal, interpretive program of technology. Much research and experimentation in the realm of engineering education are needed.

In addition to developing strong graduate study and research programs along more or less traditional lines, we believe we should develop those oriented toward design, and others in, for lack of a better term, systems engineering. The design programs would be developed within existing departments and along interdisciplinary lines. The program designated "systems engineering" is another most important interdisciplinary activity. It includes research management, systems design and management, and various other sociotechnical studies. There is great need for people trained in the broad systems management areas, with, in addition, a high degree of technical competence.

A joint effort with NASA, HUD, Transportation, HEW, and Industry, whereby a student would spend two years on the Campus for his course work, serve a year's

internship off-campus, then return to the Campus to write his dissertation, is envisioned as part of this systems engineering program. Similar arrangements with Industry in connection with our Design Program may be desirable.

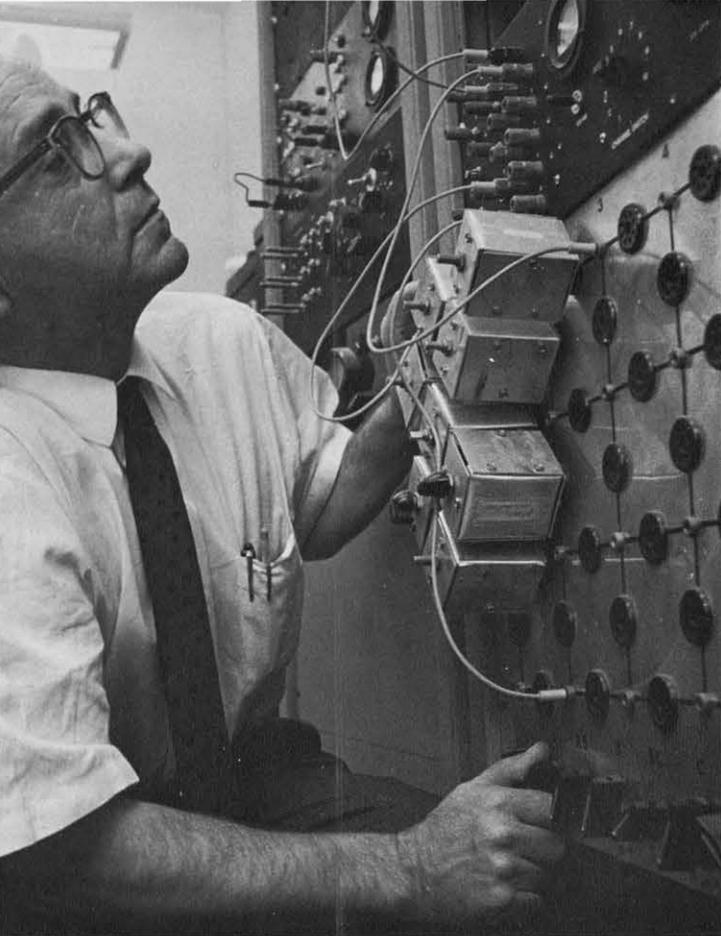
The development of an excellent faculty of *sufficient size* to cover the myriad aspects of a strong graduate program, while maintaining the quality of our undergraduate program, is of primary concern.

First in a process to achieve this is the creation of an additional engineering department, Engineering Analysis and Design. The main purpose is to get a critical-mass of quality faculty members together. Second is to generate truly interdisciplinary activities. Third is to develop management of research, including university research. It is anticipated that faculty members in the sectors of Engineering Analysis and Design would be absorbed into existing department with joint appointments. At the present time the request for the creation of the Department of Engineering Analysis and Design is awaiting approval by the Coordinating Board.

In addition to serving as a focal point for faculty development, interdisciplinary studies, and systems engineering, the proposed arrangement would provide a locally defined "center of excellence," serving as an example to other departments; afford spin-off; and allow joint appointments and trial programs.

As Platt so appropriately states in his book, "The Step to Man:" "A group of fifteen good men in one department can produce many times as much research as the same group in five departments of three men each at five different





The Department of Civil Engineering deals with the research of water resources in connection with the Water Resources Institute and with structural mechanics. Special equipment, such as a network analyzer for the study of water distribution, is in use.

schools. Even separation of a department into different but adjacent buildings may cause a considerable loss of research power."

The immediate problem is to obtain, for this new department, an excellent, vigorous faculty; next, to develop a distinguished faculty, with consulting and adjunct professorships.

To continue its programs of instruction and research, and to cope with the growth which is inevitable, the Department of Industrial Engineering must expand its laboratory facilities in the sectors of Biotechnology, Human Performance and Manufacturing Science. This can be affected when the west wing of the Industrial-Textile Engineering Building is vacated by Textile Research. At that time, it will be possible to locate the Biotechnology and Human Performance Laboratories in that wing, and expand the Manufacturing Science Laboratories into the east wing, after some remodeling.

Another area of increasing development is occurring in Textile Engineering and Research. The Textile Research Center is the outgrowth of the service provided by the Textile Engineering Department in its early years. Research in the Textile Research Laboratories has improved the growing,

harvesting, ginning and utilization of cotton. In addition to the 1,000 spindle pilot spinning plant, a testing laboratory for measuring the properties of cotton fibers, yarns and fabrics, and a room for the weaving of fabrics for experimental purposes has been available. This testing laboratory has evaluated the properties of cotton fibers for research organizations and governmental agencies in Texas and other parts of the country, providing a continuing service to agricultural and textile interests. Thousands of samples are tested annually and the results employed to improve varieties planted, cultivation practices during growth, and harvesting and ginning techniques.

In the past, primary interest has been accorded cotton research. Today, plans being discussed include extensive wool and mohair research, although certainly not at the expense of that in cotton, which, rather, will receive emphasized attention.

A break-through of decided economic significance is anticipated in the fields of both natural fibers and blends of these, as relating to chemical finishing and dyeing, desired results being achieved much faster than can be accomplished by natural genetic change.

As an adjunct to Graduate training and research, guidelines are being drawn for a Research Park in Lubbock. Located upon approximately 150 acres in the western part of the campus, it could be the magnet for drawing major industries to Lubbock and this region. These industries would lease parts of this land for the erection and maintenance of laboratories and use facilities at Tech in furthering their research. Already approved by the Board and by the 60th Legislature, implementation is now under way.

Designed for small research laboratories which are sectors of various industries, the Park will not include the industrial plants themselves. For a nominal fee Tech library, computer and other special facilities will be available to them, through these laboratories.

With the shortage of trained Engineers and scientists prognosticated, industry and business should naturally gravitate to the centers where there is a concentration of them, the universities, even to the point of establishing plants somewhere in or near Lubbock.

Tech Research Park will be a very strong factor in the greater industrialization of Lubbock and its environs; in the accelerated economic growth which will follow.

The Degree of Master of Engineering was approved for Texas Tech by the Coordinating Board in January 15, 1968. Its purpose is to enable practicing engineers to continue their professional training while employed. The benefit of this program to industry is obvious. Celanese Chemical Company promptly noted this development by referring to the program in its national advertising. To Texas Tech, the program means an estimated increase of 225 student-semester hours of engineering instruction at the graduate level, or an increase of over thirty per cent in the number of student-semester



hours offered, as compared with that offered in the Fall of 1967.

There are certain unique aspects of engineering. Its professional nature must reflect in the education of engineers; consequently, undergraduate *and* graduate education in engineering must be the responsibility of engineers. Engineering research has not only the traditional mission of interpreting and adding to knowledge, but must solve problems and include design. A role of university research which is all too frequently overlooked is that of training researchers and, in the case of engineering, designers as well.

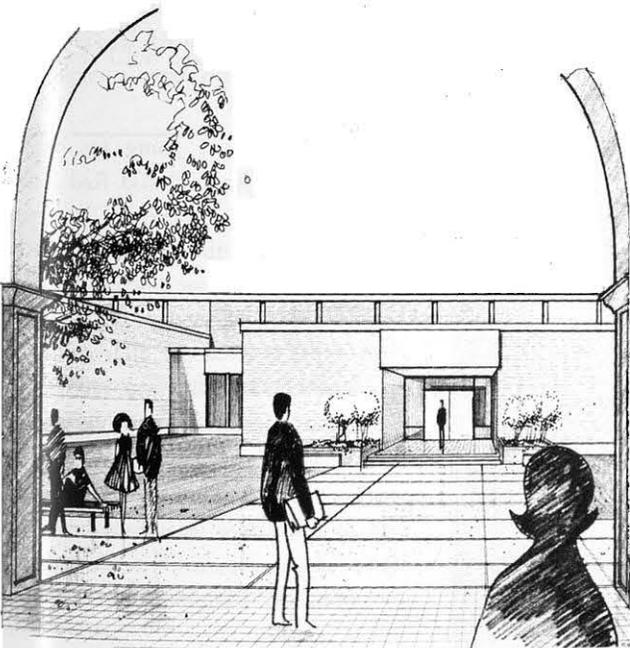
The School of Engineering is aware of its role as a responsible agency whose business it is to satisfy the need for continuing education in engineering, to provide proper continuing programs in the various sectors of the profession.

It can coordinate research, information retrieval-analysis-distribution, and teaching, in such a way that the engineering community is served adequately.

In practical terms, such programs can effectively utilize:

1. An on-campus, academically coordinated, adult education center, suitable for teaching short courses, conducting seminars, etc. to groups gathered on campus for short periods of time.
2. An information network linked to library and research facilities, and industrial complexes, by various means, including closed-circuit television systems located in an adult education center.

An artist's sketch shows the \$1,375 million expansion of Tech's Textile Research Center scheduled for completion early in 1969. When completed, the Center will be one of the few facilities in the world capable of studying textile processing from fiber production to finished fabric.



3. Off-campus programs, requiring either professional displacement throughout the engineering community, or adequate electronic linkage of such instruction with the engineering community.

4. Adequate incentive arrangements between industry and academia, providing the climate for financial and moral support in the perpetuation of any and all programs.

Passed by the Legislature, and signed into law by the Governor last spring, was the Act creating the Western Information Network Association. Twelve West and Northwest Texas state-supported institutions of higher education are participants in WIN. Funds were not requested concurrently with the creation of the Association. Since appropriations at that Session were being made for only one year, WIN's strategy was to utilize that year for development of a plan and sequence of implementations; for preparation of a request for a budget which would finance this implementation; and for information of legislative leaders regarding the merits of WIN, and its financial needs, prior to the Special Session this summer. This has all been accomplished. Our attitude at this date is one of cautious optimism regarding inclusion of all or part of the funds required for provision of this much needed service this fall, in the appropriations bill.

There is conclusive evidence that the truly great industrial developments in America have occurred in and around universities. There is direct evidence now, moreover, that in such industrial development the major impetus is felt at those universities where large numbers of Ph.D.'s in *Engineering* are available for direct entry into industry. Industry needs engineers desperately. And to progress at an adequate rate, it must have doctoral engineers, engineers of the highest talent.

At this point in time, when the opportunities to make of Tech the great and respected institution we know that it can be, are we to shy away from our chances; blind ourselves to needs we can fill; stop our ears against the knock which is said to be heard but once?

This is our opportunity to pull ourselves up out of the undergraduate College category. This is our chance to pull ourselves up to that eminence upon which, perhaps, some less deserving citadels of higher learning rest, drawing in the lucrative contracts; attracting the nation's best brains, gaining the greatest academic plaudits.

We must take advantage of our opportunities. A university cannot, any more than can any other living entity, stand still. Its movement must be forwarded or back, up or down. Dead center cannot be maintained, nor would any of us wish to maintain it. Let us go forward with alacrity and determination, so that Tech's bright future may be assured; our own futures kept free of the bitterness engendered by lost opportunity.



Kenny Vinyard

Top Conference Field Goaler Ready For Strong '68 Season

By BOB CONDRON '68
Assistant Director of Sports News

Kenny Vinyard gets a kick out of playing for Texas Tech.

The 5-10, 180-pound senior from Amarillo enjoys it so much he has contributed more than a quarter of a mile in field goal yardage to the Red Raider cause during his career.

The former Amarillo High star holds the current Southwest Conference field goal distance record of 55 yards set against TCU in 1966. This past season Vinyard tied another SWC mark of nine field goals in a season as he booted nine of 13 to tie Tony Crosby of Texas who set the mark in 1963.

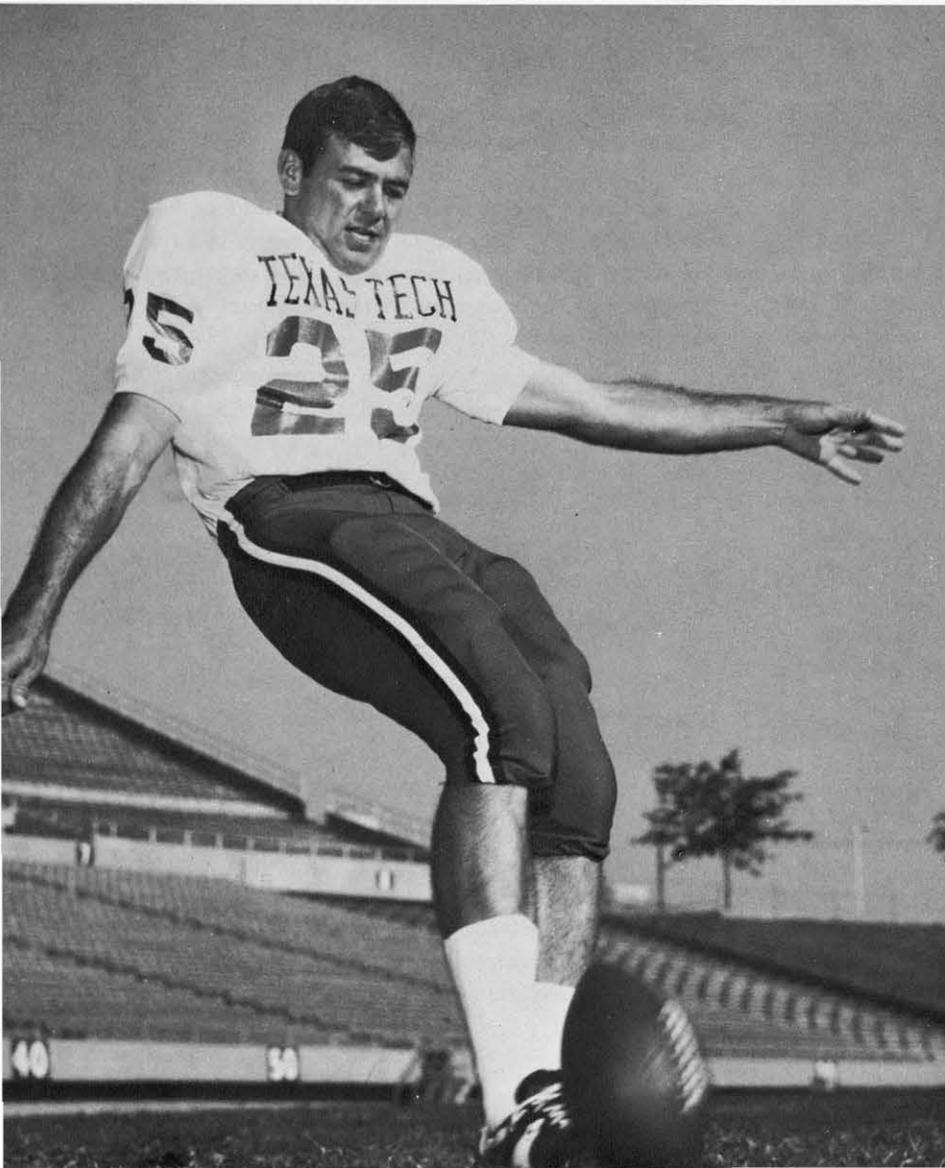
Vinyard, who booted two from 50 yards or better, had goals of 37, 54, 42, 45, 42, 50, 27, 37, and 46 yards. His 54-yarder against Texas and 50-yarder against Florida State, both set stadium records. On nine kicks Vinyard averaged more than 42 yards per boot.

The versatile Vinyard scored high in the national rankings in 1968 in the kicking department. His 19 of 20 extra points (one was blocked in the Texas game) added to his field goals gave him 46 points for the year and enabled him to rank 17th in the nation among kick scoring leaders. His 54-yard field goal was third best in the country.

For the second straight year Vinyard was third in the nation in punt return yardage allowed. On 58 punts he allowed an average of only 2.6 yards per return. Vinyard punted for a 38-yard average last season but it could have been higher.

"We had Kenny going for height rather than distance," said Red Raider coach J T King. "Because of last year's new punt rule the premium was on height. Our interior linemen couldn't rush because of the rule and Kenny's high punts enabled our ends and backs to cover the punts." King added, "We were satisfied with his punting."

Last year's new punt rule stated that interior linemen (from tackle to tackle) had to pause five seconds before going downfield on a punt. This allowed only the ends and the backs to cover the punts.



This season the punt rule will return to its 1966 form, much to Vinyard's satisfaction.

"Last year I was always afraid of a breakaway runback," said Vinyard. "There was a constant pressure on our ends and backs," he said. "One line drive punt could have resulted in a 40 or 50 yard runback." Vinyard added, "I'm sure glad they changed it."

Vinyard got his first real taste of football when he was in the second grade. It's been his game ever since.

"I kicked off and punted for a Midget League team while I was a second grader," Vinyard said. "The coach said he needed somebody to kick and selected me from the group."

"We didn't punt a lot," laughed Vinyard, "because we usually ended up fumbling the ball or running for a touchdown."

Kenny, always game for excitement, started tumbling and working on the trampoline at the Maverick Boy's Club in Amarillo when he was eight. As a junior in high school, he finished third in the national tumbling meet.

"I also was third in trampoline going into the finals," Vinyard said, "but I couldn't stand prosperity and fell." He added, "I finally ended up sixth. I guess I choked."

Vinyard and members of the Maverick Boy's Club have performed on the

trampoline and in tumbling exhibitions during halftime shows at Texas Tech basketball games. The 12 years of trampoline experience have given Vinyard the co-ordination, balance and timing needed to become a great kicker.

The stocky senior, who followed his high school coach, Burl Barlett to Texas Tech, is confident about the 1968 season.

"This team goes from the huddle to the line of scrimmage knowing we're going to make three points. When I know the players and the fans have confidence in me, it makes my job a lot easier," he said.

Vinyard refuses to take the credit for his success.

"Listen, it takes the entire team to make a field goal, but it takes only one guy to miss it."

The man holding the ball and the center are two major factors in the kicking game, Vinyard pointed out. "Last year I had two of the best in quarterback John Scovell and center Jerry Turner."

"Timing is also very important in kicking," he said. "The holder has to take the snap from center, and in one fluid motion, he must place the ball on the tee. That's when I go to work."

Vinyard said he takes a big first step and starts sooner than most kickers. He likes the ball held straight up and with very little pressure applied.

He explained that Scovell, last year's quarterback, and Joe Matulich, this season's top quarterback choice, hold the ball with different hands. Scovell held the ball with his right hand while Matulich prefers the left.

"I don't care which hand holds the ball," he said, "as long as it goes through the uprights."

When kicking field goals, Vinyard concentrates on three things: lining up on the kicking tee, keeping his head down, and meeting the ball squarely.

Vinyard said the entire team contributes to the success of the Red Raider kicking game. "I've got the easiest job on the field. I just kick and if anybody hits me, they get a penalty."

The talented senior, who has pro scouts drooling, is optimistic about his team in 1968.

"The team has a great attitude, and I think we have the players to win the title." He added, "Of course all the teams will be strong. In fact there are five or six teams capable of winning the conference."

Vinyard is ready to do his share in the one and three-point departments.

There is a football coach somewhere that Coach J T King would probably like to shake hands with. He's the man who picked Vinyard out of a crowd of seven year olds and said, "Kick it, son." Vinyard hasn't stopped since.

1943 CLASS REUNION

Silver Anniversary

PLAN NOW TO ATTEND!

- Registration 10 a.m. to 12 a.m.
- Luncheon Noon
- Slide Presentation 1:30 to 2:30 p.m.
- Reception 2:30 to 3:30 p.m.



Chapter News

Chicago, Ill.

The month of August will long be remembered in Chicago as the month of a political convention. But to a small group of Tech Exes it will mean the month when a chapter of the Texas Tech Ex-Students Association was organized in Chicago.

A group of 37 Tech Exes attended an organizational meeting in the Conrad Hilton Hotel on August 12. J. D. "Jake" May '37 was elected chairman of a committee to organize a permanent committee.

Wayne James '57, Association Executive Director, showed some color slides of the campus and discussed the organization of the chapter.

Hobbs, N.M.

The rain began to fall while the hamburgers were being served but it didn't dampen the spirit of the Tech Exes in Hobbs, N.M. when they had an organizational meeting for a new Ex-Students chapter on August 16. They just moved inside and kept right on enjoying the Texas Tech fellowship.

Jack Maddox '29, President of the New Mexico Electric Service Co., was host for the organizational meeting.

Dr. John R. Bradford '42, Dean of Engineering, spoke to those at the meeting. Wayne James '57 Association Executive Director, presided at the organizational meeting.

Bob Richards '57, a Hobbs attorney, was named chairman of a committee to permanently organize the chapter

J. D. "Jake" May '37, was elected chairman of the Chicago Chapter during the August organizational meeting. Thirty Techsians attended the meeting in the Conrad Hilton Hotel.



Assistant Football Coach Grant Teaff prepares to show the color film of 1967 football highlights at the meeting of the Lubbock Chapter. Tony Gustwick, assistant director of The Ex-Students Association, and Mrs. Teaff look on. Mrs. Teaff is the former Donnell Phillips, '57, a Tech cheerleader.

and to plan the next meeting. Richards is a past president of the Austin Chapter.

Odessa

The Odessa Chapter met August 16 at Floyd Gwin Park for a fried chicken and refreshments get-together.

After the meal, Odessa Ex-Students heard a brief report from Tony Gustwick '62, Assistant Director of the Texas Tech Ex-Students Association. He showed the 1967 Tech football highlights film which is in color and sound.

New officers for the Chapter were elected after the program. Bill Windham '61 was named president, Jack Hampton '65 was elected as vice-president, and Dorothy Nelson Melton '48 was named secretary-treasurer. New directors will be Tommy Douglass '66, Brooks Akins '57, and Neil Huffacker '56.

Washington, D.C.

September 21 is the date of the Annual Picnic for all Tech Exes in the Washington area. Techsians who will not be able to return to Lubbock for the opening football game against Cincinnati will get together for the cook-out and covered dish supper.

The picnic will begin at 3 p.m. in Great Falls Park on the Maryland Side. More information can be obtained by calling Mrs. MarLee Anderson, 333-1729; Jim Casey, 343-4788; Dapheene Goodpasture, 536-8134; or Lewis Earl, 530-0928 or 967-3922.

Midland

The Midland Chapter held its annual fall picnic at Hogan Park in Midland Sept. 14. Dr. Wayland Bennett, Associate Dean of the School of Agriculture, and John Petty '63, Director of the Division of Information Services at Tech, spoke to the group. Donna Axum, Miss America 1964, who is employed by the Information Services, was also in attendance.

Lubbock

The "planning session" of the Lubbock Chapter was highlighted by the 1967 football film and a talk by Grant Teaff, Assistant Football coach. Teaff gave a brief run-down of the prospects in store for the 1968 Red Raider team.

The meeting, entitled a "Raider-Rousing get together," was held Aug. 29 at the Lake Ransom Party House. Pat Garrett, Chapter President, held a short business meeting.

Colorado Chapter

Sept. 21

Golden, Colorado

7:30 P.M.

Coors Brewery

Contact Jim Bowers '59, for additional information, 761-2870 or 798-3887.



with ralph w. carpenter—sports news director

Wondering where the summer went and what happened to my golf game:

If the 1968 Southwest Conference football race isn't one of the best yet, a bunch of veteran experts are going to be scratching their heads in disbelief.

Last fall's race was a real scramble right down the wire. The 1968 chase promises to be just as exciting with at least six teams given good shots at the title.

In the list of favorites are Texas, Texas A&M, Arkansas, Rice, TCU, and Texas Tech. The other teams, Baylor and Southern Methodist, are expected to be rebuilding but will probably beat a lot of folks they aren't supposed to. That's just the way it is in the SWC.



As for Texas Tech, there's no doubt that the Red Raiders lost a lot of talent by graduation. But Coach J T King's program has reached a point now where there is some depth in all positions, so the drop off in talent isn't so drastic as in the early 1960's. The 1968 eleven could be the most solid team Tech has had. But the strong must be nifty—and lucky.

Following is a brief look at the prospects of the other Southwest Conference teams:

TEXAS



TEXAS

If depth is the stepladder to football success, Texas should be very successful in 1968.

The Longhorns, who will be coming to Jones Stadium Sept. 28, return 16 of 22 starters and 23 of 32 lettermen. These returnees, along with an elite crew of upcoming sophomores from an undefeated freshman team, give Texas what many consider the most heavily stocked talent pool in the Southwest Conference.

Depth alone does not insure success, but quality depth will go a long way in making any football team a consistent winner. The Longhorns, in 1968, will have quality depth.

Texas offensively should be able to move the ball as well as any team in the conference. Two-year starter Bill Bradley at quarterback and Chris Gilbert, twice the league's leading ground-gainer, will return to the Longhorn backfield and tack on hard running fullback Ted Koy and heralded sophomore Steve Worster; and Texas should have a dangerously potent offense this fall.

The Longhorns will return to the winged-T offense in 1968—an offense that carried them to national prominence in the early 60's. The new formation, which replaces the I, was installed to take better advantage of the strong running personnel and to help take

some of the load off workhorse Gilbert, who had been carrying from 25 to 30 times per game in 1967. This offense will have a slot end, and the line will flip flop.



TEXAS A&M

The 1967 Texas Aggies finished last in the Southwest Conference in offense and fifth in defense. The question then arises, "How did the Aggies manage to win the SWC title?" The answer—The Big Play.

Last season Texas A&M was the master of the Big Play. Plays like Edd Hargett's 80-yard pass against Texas and his 15-yard touchdown run against the Red Raiders are the reason the Aggies were champions.

Most of the big play artists will return to the Aggie fold in 1968 as Coach Gene Stallings welcomes back 18 of his top 22 players. All-Southwest Conference quarterback Hargett will return as will All-America line-backer Billy Hobbs.

Hargett will have an experienced crew of receivers as seven of the top nine pass catchers return. Bob Long and Larry Stegent will be the primary targets for Hargett's aerials; but Tom Buckman, Wendell Housley, Barney Harris, and Jimmy Adams are also top receivers.

A&M's primary weapon will be the pass, but the Aggies have a running

game that will keep the defense honest. Stegent and Housley are both quality runners that will make A&M's passing game even stronger. Stegent led the Aggie rushers with 568 yards last season; while Housley, injured early in the season, added 196. Housley was very impressive two years ago as a sophomore.

If there is to be a breakdown in the A&M offensive machine, it will come in the offensive line where Stallings will have to replace three graduated linemen. This is much like our situation at Texas Tech where sophomores will have to fill in at key line positions.



SOUTHERN METHODIST

Southern Methodist University football coach Hayden Fry said recently, "A quarterback is to a football team what a carburetor is to a car. No matter how good a car you have, it's not going to run good if you don't have a carburetor."

Coach Fry's task in 1968 is to find himself a good carburetor—in football terms, a good quarterback. Passing wizard Mike Livingston graduated; and Fry is faced with the task of choosing between three sophomores, none of whom has ever taken a snap in varsity competition.

Chuck Hixson, a 188 pounder from San Antonio, emerged as the No. 1 candidate near the end of spring drills; but he is looking over his shoulder at Wayne Delamater from Las Cruces, N.M. Hixson is considered to be the best passer and Delamater is noted for his running skills. Eighteen-year-old Gary Carter is running at the third spot.

Even if Coach Fry doesn't have a carburetor, he has a jet engine going for him in speedy Jerry Levias. Levias, a two-time All-Southwest Conference selection, is one of the most dangerous

runners in the SWC. The 5-10, 170 pounder is a constant threat at his split end position and is probably one of the finest in the nation in the punt return and kickoff return department.

Another hard running Mustang is Mike Richardson, a 1968 co-captain who is a workhorse at his tailback position. Richardson is a running threat as well as one of the Ponies' prime passing targets. Joining Richardson in the backfield will be fullback Pinky Clements.

The Mustangs should have adequate line blocking as four offensive linemen, led by offensive tackle Terry May, return for duty. May is a 6-4, 220 pounder who carries two years of experience into 1968.



RICE OWLS

Going into the 1967 season, there was a saying around Houston that "however Robby Shelton goes, so goes Rice."

In Rice's first game of the season against tough LSU, Shelton sustained a severe shoulder separation in the third quarter diving for a first down. Until that point, he made 351 yards total offense and had been a consistent threat with both his running and passing. The Owl's offense had been built around the great little quarterback, and many thought Rice's football fortunes were all but bankrupt.

But Robert Hailey stepped in and directed the Owls to a respectable 4-6 record including impressive wins over Navy and Northwestern. The question in many people's minds was, "How would Rice have done with a healthy Shelton?"

This season Rice fans will be able to see for themselves; because Shelton, who was elected captain by his teammates, will return to direct the Owl offense. And the feeling around the

Houston campus is one of optimism.

The Owls should have some good starting running backs. Tailback Dan Van Winkle returns, and veteran Gene Taubert will fill in at the fullback spot for graduated Lester Lehman. Macon Hughes, a 200 pounder with good speed, will get a shot at the starting tailback position. However, depth is a major problem for Rice's running backs. If the Owls keep their starting backfield intact throughout the season, they could be on their way to a good year.

Shelton will have plenty of aerial targets, as the Owls have a talented bevy of receivers on hand. Larry Davis, who set a school record last season with 54 catches and 708 yards, will return. Dickie Phillips, who was injured in mid-season, is an excellent split end candidate as well as sophomore Jack Faubion. All the Owl running backs are able to catch the ball well in addition to tight ends Steve Prichard and Sam Reed. Receiving will be one of Rice's strong points.



TCU

TCU's 1968 football team should be improved, and the Horned Frogs could be headed for one of their finest seasons.

Coach Fred Taylor is the first to admit that his team should be better in 1968. But he believes the Frogs are far from being solid.

The Frogs do have some talent returning from the 4-6 season. There are 36 of 50 lettermen plus two more from 1966. Included are five offensive starters and eight defensive regulars.

Halfback Ross Montgomery, unanimous All-SWC as a junior, leads the Purple Pack. The 6-3, 219-pound senior can fly—he runs the 100-yard dash in 9.6.

The quarterback derby was a three-man race in the spring with juniors Dan Carter and Ted Fay having a slight edge over newcomer Busty Underwood.

Carter, who started some games in 1967, probably will get the starting call.

The offensive line also looks stronger than 1967; and it will be anchored by right guard James Ray, a strong 228-pound junior.

Defensively, the Frogs should be as good as 1967, and could be better. The line has good quickness, with only All-SWC tackle Danny Cross gone. Larry Adams, 6-4 and 223, is back at left guard.

The Frogs need a fast start. And the past four years they have been 0-4 last year; 0-3 in '66; 1-3 in '65; and 0-4 in '64.

"This time we've got to start well, improve fast and win some games," Taylor said.



BAYLOR

There are three basic reasons why the Baylor Bears should have an improved football team in 1968:

- Potential depth at quarterback
- Experience in the offensive line
- Changes in defensive strategy

At quarterback junior letterman Alvin Flynn and sophomores Steve

Stuart and Laney Cook give the Bears one of their strongest contingents ever.

"We have more overall ability at quarterback than any year I can remember," said coach John Bridgers. "Our biggest problem here is that none of these men have proven themselves against teams like we'll be playing."

In the offensive line, the Bears return lettermen at each position. The line will be anchored by All-SWC tackle Richard Stevens, who Bridgers calls "as fine an offensive lineman we've had at Baylor."

Defensively, Bridgers has changed his basic wide-tackle-six alignment to the five-man front.

Baylor will be a young team with 17 sophomores, 21 juniors, and only six seniors included in the first 44 men. The Bears have five sophomores, 15 juniors and four seniors on the top two defensive teams.



ARKANSAS

In 10 years at the Arkansas helm, Frank Broyles has had only three sea-

sons in which the Razorbacks have not played better than .500 ball. The first two times the Porkers came back to capture the Southwest Conference crown. Last season Arkansas was 4-5-1; and if the future is any kin to the past, the rest of the conference had better take heed.

The Razorbacks will return 23 lettermen, but Arkansas's success in 1968 will depend upon the quick development of first year varsity performers.

Arkansas will greet six members of their offensive line returning from 1967 and can mount an impressive running attack with such proven performers as David Dickey, Russell Cody, Bruce Maxwell, and Glen Hockersmith.

With the switch to the pro-type passing game, quarterback will become an all-important spot in the Arkansas offense. Three good ones will be on hand for signal calling duties, and all are capable of leading the Porker attack.

John Eichler and Gordon Norwood return for duty and will be battling with sophomore Bill Montgomery for the right to lead the Razorbacks into battle. Eichler should start the opener, but any one of the three could win the starting spot.

The Red Raiders, riding the crest of a two-game win streak over Arkansas, will meet the Razorbacks Nov. 23 in Jones Stadium in the last game of the season.

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TAX TIPS

FOR TECHSANS MAKING GIFTS OF STOCK



For Texas Tech Ex-Students or other friends of Tech interested in giving gifts of stock to The Texas Tech Loyalty Fund these few tips may ease the process.

In considering the profit from stock, it should be remembered that a short term profit (six months or less) is considered regular income. The long term (more than six months) profit is subject to 25% tax or half of the tax rate applicable to a person's income, whichever is less.

Anyone interested in giving stock to a charitable or non-profit organization such as The Texas Tech Loyalty Fund should understand terms such as bargain sales, spin-off stock dividends and outright gifts.

The three methods of making gifts of stock as approved by the Internal Revenue Code are:

1. The stock can be given outright to the institution, and a gift receipt be received for the full value on the day the stock is given. There is no tax on the profit (i.e. if the stock costs \$5,000.00 and the average sale price on the day it is given is \$9,000.00, the gift receipt will be for \$9,000.00 with no tax to be paid on the profit). The Internal Revenue Code limit on gifts is 30% of adjusted gross income, line 9, page 1, form 1040. The Internal

Revenue Service allows the excess over 30% to be carried forward and used for as many as five additional years.

2. Where there are spin-off stock dividends, it becomes most difficult to determine the cost (or basis). The stocks can be given and your cost considered on the original stock, e.g. Capital Southwest Corporation has had two such spinoffs. Stockholders received a certain number of shares of Capital Wire and Cable in 1964, 65. The following year they gave their stockholders a certain number of shares of DPA Stock. If these spin-off stocks are given away, then there is no problem in figuring your profits when you sell your original Capital Southwest Stock. There is no tax to be paid on the stock donated.

3. The greatest tax advantage possible in any transaction is provided by the Internal Revenue Code in what is called a BARGAIN SALE. Many people are using this method, particularly those in a high income tax bracket. It works as follows:

Mr. X purchases stock for \$5,000.00—the price reaches \$9,000.00. He sells the stock to the University (or his charity) for \$5,000.00 which is his cost and receives a gift receipt for \$4,000.00. The donor has his \$5,000.00 returned to him for another investment. There is

no tax to be paid on his gain. If his gain is a short term gain and he is in the 50% tax bracket or above, he will find that it is actually a better deal for him to make a bargain sale than it is for him to sell the stock and pay tax on regular income.

The Texas Tech Ex-Students Association also works with the broker of the donor's choice, if a bargain sale is to be made or the donor wants to make an outright gift.

The Ex-Students Association advises a broker to call "collect" if his client wishes to bargain sale. Immediate Past President C. H. Cummings, First Vice President David Casey, Executive Director Wayne James are authorized to purchase the stock at the donor's cost. One of these men will also inform the broker of the sale of the stock.

A check and a gift receipt for the stock involved will be mailed to the donor the day after the stock is received or the receipt showing that the sale was made in the name of the Texas Tech Loyalty Fund is sent.

If it is not a bargain sale, but rather an outright gift of stock, one of the above-named persons will authorize the broker to sell the stock for the Loyalty Fund or send the stock to The Association's office.

THE UNIVERSITY DAILY

VOLUME 43

Texas Technological College, Lubbock, Texas, Friday, June 21, 1968

NUMBER 142

Student opinion sampler

This week's question: How do you feel about the compulsory attendance requirements at Tech? Do you agree or disagree with your teachers' practice of lowering your grade after a set number of cuts?

JIM GOSSETT, senior marketing major from Houston, says "Students shouldn't be penalized for cutting classes. If they cut they are only cheating themselves. Most students realize this, and with this in mind, the decision to attend or cut class should be left up to them."
"In some classes, history, government where the same tests are repeated year after year and teachers don't

In Student Association constitution Tech court recommends revision



Redefinition to improve governmental efficiency

By TOM MARTIN
Managing Editor

The Tech Supreme Court has recommended a constitution revision which would



THE UNIVERSITY DAILY

VOLUME 43

Texas Technological College, Lubbock, Texas, Friday, August 2, 1968

NUMBER 146

...points would boost his grade if that student had a lot of absences, the idea because they filled the gap between absences and the not-so-bright, who could make up using the bonus points."

...merchandising major from attendance is necessary. It is to come. Students who are and the value of a college day.

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...curriculum and instruction, 1961 was named University of dean of students.

...From 1946 until 1955 he was professor of education at the University of California at Berkeley.

...The 51-year-old Mr. Myers began his teaching career in Kansas City.

...Traffic-Security Commission met Tuesday if Tech will use a bus system or a trolley car system next fall.

...The Lubbock Transit Commission met Thursday to discuss the results of last year's bus system to use.

...of men is, said o have

Dr. Glenn E. Barnett

TECH EXES

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THE UNIVERSITY DAILY

THE UNIVERSITY DAILY

Bus, trolley decision due next week

Traffic-Security Commission met Tuesday if Tech will use a bus system or a trolley car system next fall.

Curriculum and instruction, 1961 was named University of dean of students.

From 1946 until 1955 he was professor of education at the University of California at Berkeley.

Senate poll

A survey before the end of the semester and the pollers received a vote of 65 for and 100 against the name Texas State University.

The ACTION on the part of the Senate apparently started when Ken Pardue, a senator from Albuquerque, N.M., proposed that the poll be taken as a student referendum.

The Senate, however, said there was not enough time before the end of the term, but conducted the telephone poll.

Pardue got his idea for the name subcommittee of the Committee of '67, a 67-member committee formed in 1967 to study the needs of the university in relation to the area, and formulate long-range plans for development of the institution.

A SUBCOMMITTEE on publicity reportedly gave the senator his idea for a name change.

The Committee of '67 is made up of business, legislative, religious and education leaders from the Panhandle in an effort to serve the needs of the university. W.T.S.U. President Dr. James Cornett said, "There has been nothing to indicate a real desire by anyone connected with the university to change the name."

Cornett explained that the name change idea was but a passing remark he found its way into the Student Senate.

CORNETT SAID subcommittee

Jim Myers, director of Tech's curriculum and instruction, 1961 was named University of dean of students.

Current Scene

News briefs about the college, its family, students and ex-students.

Sports for Servicemen

Texas Tech servicemen now serving in Vietnam (or in the Southeast Asia area) can learn more about the 1968 Red Raider football team by receiving a complimentary copy of the Red Raider football pressbook.

This marks the second year that pressbooks have been sent to servicemen. Texas Tech Sports Information Director, Ralph W. Carpenter, said that the idea went over so well last year that he will continue the practice for the 1968 season. Carpenter said that a copy will be sent to any Tech serviceman in Vietnam if parents or other relatives will supply the correct mailing address.

Send the address of Tech serviceman to Carpenter at the Tech Athletic Office, Lubbock (79409), Tex.

The pressbook is distributed to news media representatives and contains information on Tech players, opponents, and other data.

World Conference Set

The International Center for Arid and Semi-Arid Land Studies (ICASALS) will join the Tech Union in sponsoring the second annual World Affairs Conference at Texas Tech.

The theme for the conference to be held March 6-8, 1969, will be "Latin America: Past, Present and Future."

Union Program Director Dorothy Pijan and ICASALS Deputy Director Idris R. Traylor, Jr. said several major addresses will be presented by distinguished Latin American diplomats, governmental figures and scholars and by United States experts on Latin America.

Many internationally known academicians in the field of Latin American studies will be guests at the conference and will conduct seminars on a wide range of topics pertaining to the past, present and future of Latin America.

History senior Cathy Obriotti of San Antonio has been named director of the 1969 conference with Tom Melton, Fort Worth public administration major, as assistant director. Both helped to plan the 1968 conference.

Dr. Traylor and language Prof. Harley D. Oberhelman are faculty sponsors. Mrs. Pijan, Union program director, will work with both the sponsors and the blue ribbon student committee.

Dr. Oberhelman is chairman of the Department of Classical and Romance Languages and has been active in ICASALS activities. Dr. Traylor, in addition to duties at the International Center, is an assistant professor of history.

Registration is open to Tech students, and student representatives from other universities will also be invited.

Matt Lair Leaves Tech

Departing Texas Tech defensive line coach Matt Lair was presented a symbolic bell by the Saddle Tramps, Tech spirit organization, in a brief ceremony Aug. 22.

Lair left Aug. 23 for Lexington, Ky., to become a scout for the Central and Eastern Prospect Organization (CEPO) which serves seven professional football teams. The CEPO scouts for the New York Giants, Washington Redskins, Baltimore Colts, Atlanta Falcons, Green Bay Packers, Cleveland Browns and St. Louis Cardinals.

Lair played guard for the University of Kentucky in 1941 and 1942 and again in 1946 and 1947 after World War II. He received his bachelor's degree from the University of Kentucky in 1948 and his master's in 1952.

Lair will be replaced by Jim Acree, former offensive line coach at Southern Methodist University.

Acree, a graduate of the University of Oklahoma, joined the SMU staff 18 months ago from Corsicana High School where he compiled a winning record of 63-15-2 over seven seasons.

Major Dramas Slated

Major productions at Texas Tech's University Theater during the 1968-69 season will range from Elizabethan comedy to the premiere of an as yet untitled musical drama by contem-

porary playwright John Vance Gilbert.

Opening with Shakespeare's "The Taming of the Shrew" on Nov. 8-11, the schedule will include Moss Hart and George S. Kaufman's American classic, "You Can't Take It With You," on Jan. 31-Feb. 3, the Gilbert musical on March 15-18, and Bertolt Brecht's anti-Nazi drama, "The Private Life of the Master Race," on May 9-12.

The Gilbert work, commissioned as a feature of next spring's International Focus on the Arts observance at Tech, is expected to be ready for casting by mid-December, said Theater Director Ronald Schulz. Gilbert, who currently is working toward his doctorate at Columbia University, is expected to come to Tech for rehearsals and performances.

A 1960 Tech graduate, Gilbert taught voice and music theory at Tech. Several of his previous works have been performed here, including a musical show, "If This Be Madness," a one-act opera, "A Mother's Requiem," and numerous choral compositions.

Schulz will direct the rollicking Shakespeare comedy which will be produced full length and in Elizabethan costume. Casting will be held during the week of fall registration, Sept. 16-21.

The Hart-Kaufman and Brecht productions will be directed by Speech Profs. Larry Randolph and Clifford Ashby, respectively. The Gilbert musical will be staged by Schulz with music under director of Music Prof. Charles Lawrie, director of Tech's Opera Theater.

La Ventana Spotlighted

National acclaim has been spotlighted on the 1967 Tech La Ventana.

Wallace E. Garets, journalism department chairman and Student Publications Director Bill Dean '61 were cited for their work on the yearbook. Garets was designer of the annual and Dean and Phil Orman, former managing editor of *The Texas Techsan*, were production managers.

The 1967 "La Ventana" had been one of the six college yearbooks in

the nation to receive the 1968 Graphic Arts Award presented by the Printing Industries of America.

August 16, Garets and Dean were surprised with a plaque inscribed with the names of the persons who worked on the yearbook. The award came as one of the highlights of the awards and certificates ceremony which concluded the Southwestern Council of Student Publications Summer Workshop. It was presented by Chester Sullivan, regional sales manager for Taylor Publishing Company of Dallas, the firm that printed the award winning annual.

Home Ec Prof Resigns

Dr. L. Ann Buntin, one of the leading home economists in the United States, recently resigned her post at Tech.

She has joined Western Carolina University as the head of the Department of Home Economics.

Dr. Buntin was the chairman of the Home Economics Education Dept. at Tech since 1962. She has directed significant departmental research in the training of home economics teachers. Under her direction, the Center for the Development of Home Economics Instructional Materials was developed and has now become a continuing project.

Just Published

How 88,648 Heavy Smokers Stopped Smoking

NEW YORK — The Anti-Tobacco Center of America has just published a booklet which explains how 88,648 heavy smokers (of whom many are physicians) have stopped smoking without straining their will power. This booklet is available free of charge to smokers. All you need to do, to obtain it, is to send your name and address to The Anti-Tobacco Center of America, Dept. A-207-G, 276 Park Avenue South, New York City, 10010. This offer is open while the supply of these booklets lasts.

ADV.



"Right this way to Raiderland," Tech coeds Mary Jean Legg, left, and Linda Hendrix are saying. The girls, both junior students, stand in front of one of the signs erected at main Lubbock entrance streets. The signs were sponsored by the Lubbock Chamber of Commerce and lead the way to the campus and stadium.

Language Gap Bridged

More elaborate plans than ever before preceded the arrival of foreign students at Tech this year.

Additional courses of instruction to help international students bridge the language gap were created, and an orientation program was designed to help the students adjust to American campus life and to fit into the social, cultural, and technical community life.

Approximately 150 foreign students from as many as 40 countries are on campus. Last year the figure was 119.

They come from Latin America, Europe, the Middle East and North Africa, Middle Asia and the Far East.

The Latin American group includes students from Mexico to Argentina. The largest group of Europeans are West Germans.

The Middle East and North Africa area includes the Arab world. The Middle Asia group is mostly made up of students from India and Pakistan. The countries in the Far East which send students here are Taiwan, Japan, Thailand, Australia and Korea.

More than half are graduate students, with most of the foreign students attending the Schools of Arts and Sciences, Engineering and Business Administration.

Four English language courses for international students, two writing and reading and one in speaking and listening, will be offered starting with the fall semester.

Reed Next Commissioner

Dr. Bevington Reed, a dignified, soft-spoken educator who started his teaching career in a two-room country school, is Texas' next commissioner of higher education.

He was recently promoted from assistant commissioner for senior colleges and universities.

Dr. Reed received his master's degree and his Ph.D. from Tech in 1953 in American Civilization. He has been a high school principal in Vaughan, N.M., teaching fellow at Tech, assistant professor of government at Angelo State College and Dean of Sul Ross State College, where he also taught science.

His first teaching job was in 1934, when, at the age of 19, he taught in the two-teacher Burned Branch school in Callhan County southeast of Abilene.

He was the official responsible for preparation of the College Coordination Board's pending master plan section on senior colleges and universities. The proposal, still not adopted by the board, calls for enrollment limitations on present schools and establishment of six senior level institutions to handle growing enrollments from metropolitan areas.

His wife, Autalee, is also an ex-student.



Wayne James, left, Executive Director of the Ex-Students Association, receives a gift of stock from Mr. and Mrs. Thomas A. Graham of Austin. The Grahams gave the shares of stock for scholarship purposes in memory of their son, Stephen, '66, who died earlier this year. The Grahams gave The Association 150 shares of Gulf insurance stock, currently valued at \$10,000.

— 1968 HOMECOMING DANCES —

Oct. 25

**Texas Tech
Ex-Students
Reunion Dance**

CLASSES 1925 - 1950

KOKO PALACE

9:00 P.M.

\$5.00 per couple (Includes Setups)

Oct. 26

**Texas Tech
Ex-Students
Dance**

ALL EXES WELCOME

KOKO PALACE

9:00 P.M.

\$6.00 per couple (Includes Setups)

— Featuring —

MARK ANTHONY & THE MARKSMEN

— EXES RECEPTION —

Prior To
TECH - A&M
FOOTBALL GAME
OCT. 12, 1968
(College Station)

Exes and Friends of the College
are invited to the

MEMORIAL STUDENT
CENTER

5:30 - 6:30

Tech Employees Honored

Twenty-seven staff employees of Texas Tech who have served the institution 20 or more years were honored at a reception Aug. 23 in the Student Union.

Two employees, William Conner Cole, manager of the Texas Tech Bookstore, and Mrs. Virginia Lee Snelling, head of the payroll department and employee benefits in the office of the comptroller, were honored for more than 40 years of service to Texas Tech.

Twenty-five others with service ranging from 20 to more than 39 years, received framed certificates and lapel pins bearing the Texas Tech seal.

Employees with 35 to 39 years of service included Florence Evelyn Clewell, director of the office of institutional studies and space utilization; Georgina Conner, administrative assistant in the office of the dean of

engineering; Ellis Ray Forman '32, assistant bookstore manager; and Mrs. Anna Burt Gibson, administrative assistant in the office of the vice president for business affairs.

In the 30 to 34-year group were Hubert Burgess, coordinator of room reservations; Olan Ray Downing, director of building maintenance and utilities; Jacob Homer Millikin '41, director of the extension division; and Dorothy Jane Rylander '31, administrative assistant at the Texas Tech Museum.

In the 25 to 29-year classification were Mrs. Kathryn Stallings Durham '34, administrative assistant in the office of the dean of arts and sciences; Mrs. Jean Ayres Jenkins '35, director of the placement service; and William Dudley Johns, mail carrier.

In the 20 to 24-year employees' group were Mrs. Shirley Schulz Bates, director of food services; Mrs. Margaret Ragsdale Birkman '40, assistant director of food services; Mrs. Maudie Mae Blankenship, gymnasium equipment supervisor; James Berryman Downing, steam generating foreman; Mrs. Ola Lee Johnson and Mrs. Pearlye Ruth McIntyre, cooks in residence halls food service; and Lewis N. Jones '38, dean of men;

Mrs. Neva Lillian Kennedy and Mrs. Ida Bell McMorris, supervising cooks; Gerie L. Pirkey '50, accountant in the office of the comptroller; Mrs. Elizabeth Randal, administrative assistant in the office of the executive vice president; Herschel C. Stanley, receiving and shipping clerk in the bookstore; and Oscar Harvie Wilson, electrician foreman.

Executive Vice President Glenn E. Barnett, left, presents certificates of recognition and lapel pins to Mrs. Virginia Lee Snelling and William Connor Cole who have a total of more than 81 years of service to Tech. Cole, manager of the Tech Bookstore, has been an employee of the school 41 years and two months; and Mrs. Snelling, head of the Payroll and Employee Benefits departments, 40 years and one month. Twenty-four other staff employees were presented certificates and pins for employment with Tech for 20 to 39 years.

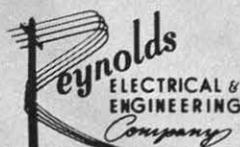


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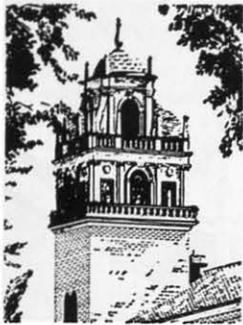


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Bear Our Banners

'31

Mr. and Mrs. Cary Lodal (Winifred Aycock) '38, live in Albuquerque at 2512 Harold Place N.E. She majored in English and he in T.E.

'37

Mr. and Mrs. J. W. West (Helen Inne) '38, reside at 1020 Kenwood Drive in San Angelo. He majored in physical education.

'38

Roy R. Armstrong and his wife, Mary Ruth, are living in Iraan, Tex., where he is a math teacher at Iraan Junior High. They have two sons, Roy, who will be a senior at the University of Texas, and Tim, who will attend Odessa College in the fall.

'39

"A Touch of Murder" is the first novel of **J. B. Cearley**, published by Caravelle Books, Inc. He majored in journalism and English.

and received his master's in '47. He had written several short stories while an instructor at South Plains College in Levelland and a professor at San Antonio College. He now lives at 262 Hemine Blvd. in San Antonio.

Robert O. Marshall is an operating loan officer of the Farmers Home Administration in Albuquerque. He majored in animal husbandry and vocational education.

'40

Carrie T. Bier has retired from her work as a music teacher in the public school system of Albuquerque. She majored in education and music and was in the Tech Chorus.

Maude L. Hooten has been attending a short course in Family Finance on a grant this summer. She vacationed in Portland, Oregon, recently and is planning to teach Adult Homemaking in Abilene in the fall.

'41

Commander H. A. (Buck) Gregory retired recently as commanding officer of the Navy recruiting main station in Albuquerque. He has a long career of service and honors in the Navy, including serving as a carrier fighter pilot and receiving the Silver Cross, Distinguished Flying Cross with three stars, and the Air Medal with four stars.

'42

Wallace R. Sasser, a Tech chemical engineering major, has been named superintendent of the bulk oil department of Gulf Oil Corporation in Port Arthur. Before this promotion, he was area foreman in the cracking department.

'45

Rev. Charles E. Lutrick recently received an honorary Doctor of Divinity degree from McMurry College in Abilene. He is superintendent of the Amarillo United Methodist Church District and was a delegate to the Uniting Conference of the Methodist and Evangelical United Brethren churches in Dallas in May. Rev. Lutrick was a sociology and philosophy major.

'47

Engene Russell is the Outstanding Citizen of Llano County for 1968. He has been teaching vocational agriculture in Llano for 21 years, and was given the award by the Chamber of Commerce for his work with the youth as FFA sponsor and advisor, referee, livestock judge and coach, and many other activities.

'49

J. A. Barber is the project leader for the Sandia Corp. in Albuquerque. The electrical engineering major and his wife have two children and reside at 9109 Jensen Central N.E.

Executive officer to the assistant secretary of the Air Force in the Pentagon is **Col. Carl G. Schneider**. He completed his M.S. degree

at George Washington University last year, and majored in agriculture at Tech. He is living at 3329 Prince William Drive, Fairfax, Virginia.

'50

Field representative of the Northeast Texas Territory for the Texas Farm Bureau is **Roy L. Custer**. He and his wife, Paula, reside in Terrell. He majored in animal husbandry.

Administrator for Highland Hospital in Lubbock is **Nelson Morris**. He and his wife, the former **Marjorie Prewitt**, both received their B.B.A.'s from Tech.

'51

Mr. and Mrs. Russell A. Megert (Shirley Nunneley) reside in Amarillo where he is an architect and engineer with the firm of Shiver and Megert. They have two children. Shirley majored in education and Russell in architecture.

Fred E. Libby and his wife have four children and live at 1416 Misilla N.E. in Albuquerque. Fred majored in chemistry and got his master's in petroleum geology. He was a member of Socii fraternity.

Sweetwater is the home of **Dr. and Mrs. John B. Bowen (Betty Stroman)** and their twins, Beverly and Berry, where he is a practicing optometrist.

Division Supervisor of the Sandia Corp. in Albuquerque is **Dean Thornbrough**. He majored in physics.

Regional director of the safety programs of the American National Red Cross is **Bob Edwards**. His region extends over six states. He majored in zoology. He and his wife, Glenda, have three daughters.

'53

Mr. and Mrs. Bob Hamman have recently moved to Hereford from Plainview. Bob is the owner of a new fabric shop in Hereford. They have adopted two children, Craig and Mary Ruth, and are at home at 207 Star St.

'54

Jack Carnell is a manufacturing agent of electrical materials in Dallas. He and his wife, the former **Pat Root**, and their three children, live at 2422 Summit in Irving. Pat is the daughter of Trent C. Root, Sr., a former assistant to a president at Texas Tech.

Dr. and Mrs. Orlan Akin (Joan Z. Roberts) '57, and their two children live in Abilene, where Dr. Akin is an ear, nose and throat specialist. He majored in medicine and she in elementary education.

Member of a unit that has earned the U.S. Air Force Outstanding Unit Award, **Major James L. Rogers** is a navigator in the 361st Tactical Electronic Warfare Squadron at Nha Trang AFB, Vietnam. His squadron has flown more than 36,000 accident-free combat hours since it was activated in April 1966.

OCT.
25th
and
26th

TEXAS
TECH
HOMECOMING

Make Your
Plans Now!!

Alfred E. Evans Jr. is living in Cerritos, Calif., where he works as a senior auditor with the Department of Defense Contract Audit Agency. He and his wife, the former **Frances Floyd**, have two sons and live at 11125 Hibblings St.



Joe L. Martin, assistant secretary of First Federal Savings and Loan Association of Amarillo has been awarded the designation of Senior Residential Appraiser by the Society of Real Estate Appraisers. He has been with First Federal since 1963 as a staff appraiser and loan

officer. He worked for the City of Amarillo seven years in the tax department as an appraiser before accepting this job.

CHAPTER PRESIDENTS

- Abilene
- Amarillo Robert J. Barton
- Andrews Roy Buckner '51
- Arlington Dr. R. G. Alexander '58
- Austin George Bowie '65
- Bryan-College Station
- Cen-Texas Jack Eubank '51
- Corpus Christi Joe Sockwell '51
- Dallas Kenneth Lee '63
- El Paso
- East Texas Bob McMahan '57
- Floydada Edward R. Foster '58
- Fort Worth Bill Scales '51
- Hale County
- Houston Karl Ransleben '62
- Irving Wallace Wilson '57
- Lamesa Marshall Middleton '55
- Lubbock W. Pat Garrett '50
- Midland Richard Phelps '62
- Odessa Bill Windham '61
- Parmer County Keith G. Brock '56
- Richardson Dale Wofford '65
- San Angelo Robert Campbell '68
- San Antonio Andy Behrends '51
- Texoma J. P. Shull '58
- Trans-Pecos Fred Gibson '49
- Vernon Wayne Underwood '62
- Wichita Falls Richard H. Higgins '58
- Albuquerque, N.M. Ben Pilcher '61
- Bay Area, California ... Larry Byrd '57
- Chicago, Ill. J. D. May '37
- Clovis-Portales, N.M. Jack M. McCracken '55
- Denver, Colo. Gene Hamby '56
- Hobbs, N.M. Bob Richards '57
- Jackson, Miss.
- Kansas City Donald C. Kammerer '62
- Las Vegas,
- Nevada Robert A. Fielden '61
- New Orleans,
- Louisiana John Hutchens '56
- New York Marion Sprague '47
- Oklahoma City,
- Oklahoma Bobby Wheat '57
- Roswell, N.M. Elmo S. Henslee '48
- San Diego, Calif. Dr. L. M. Morrisset '48
- San Juan, N.M. Larry Bedford '53
- Southern Calif. W. R. Shook '50
- Southern States C. W. Cook '39
- Tulsa, Okla.
- Washington D.C. Jim Casey '40

Vice president and cashier at the Yoakum County State Bank in Denver City is **Eddie Taylor**. He and his wife, **Martha**, have two daughters.

'56

Bob Beckham is ranching in Texas and Eastern New Mexico. He is also with the General Insurance Agency in Abilene. He and his wife have four children.

Former co-captain of a Tech football team, **Arlen Wesley**, owns an insurance agency in Lubbock. He was a member of the Double T Association and majored in physical education. His wife, the former **Jerry Anglin** is a member of the Tri Delt sorority. They have two children.

Howard E. Pardue, independent oil producer, is presently a Major in the Marine Corps Reserves. He spent 5½ years in the United States Marine Corps as a jet pilot. He and his wife have 6 children, 5 boys and 1 girl. They are living in Breckenridge.

Assistant professor of aerospace studies at Texas Christian University is **Major Carl Sanders**. He recently served as a tactical officer during the AFPROT field training encampment at the Air Force Academy in Colorado. He was a member of Delta Sigma Pi business fraternity and is married to the former **Elizabeth Lee**.

'57

Dr. W. K. (Bill) Jones and his wife, the former **Peggy Miller** '59, have moved to Santa Fe, N.M., where he is an orthopedic surgeon. Bill was president of Kappa Sigma fraternity and a member of the Student Council at Tech. Peggy was president of Delta Delta Delta sorority and a member of Mortar Board and the Student Council.

Mr. and Mrs. Olin Saulsbury (Sammie Fowler) '58, are making their home in Louisville, Kentucky. He is a sales representative for Ford Motor Credit Co., and she is teaching English at Seneca High School.

Mr. and Mrs. Paul Stanford (Betty Lovelace) '58, reside in Albuquerque where he is the supervisor of the Supplier Audits Division of the Candia Corp., and she is teaching. He was an accounting major and a member of Sigma Alpha Epsilon fraternity and Betty was a member of Delta Gamma sorority, a major-ette and sweetheart of the Tech Band.

'58

Don B. Hay recently accepted the position of manager of the Memory Department of Scientific Control Corporation in Dallas after nine years with Texas Instruments. Don was a member of Phi Gamma Delta, Saddle Tramps, the Student Council, and Tau Beta Pi. He and his wife, the former **Betty Sue Howard** '57, and their two daughters live at 3255 Northaven Road in Dallas.

Supervisor of technical service for Standear Oil Co. is **Alfred V. Dearman**. He lives in Pleasant Hill, Calif., at 83 Baylor Lane. The agricultural education major was a member of the Ag Club and Alpha Zeta.

'59

Gayle M. Earls is an employment manager for Tenneco Oil Co., headquartered in Houston. He had been serving as manager of credit and planning for Southwest Sprayer and Chemical Co. in Waco.

Dr. and Mrs. Billy R. Wiseman have a new daughter, **Amy Lucretia**, born in May. They also have a son, **William Samuel II**, 22 months old. Bill is a research entomologist for the Agriculture Research Service in Tifton, Ga.

A former Saddle Tramp **Don Love** is a staff member of Sandia Corp. His wife, the former

Sandra Broome was a member of Gamma Phi Beta sorority and named to the Mortar Board. He majored in accounting and was a member of Kappa Sigma fraternity. They live at 2602 General Arnold N.E. in Albuquerque.

'60

Captain Tom S. Boone recently received a M.S. in Logistics Management at the Air University at Wright-Patterson AFB, Ohio. After additional training at Lowry AFB in Colorado, he will be assigned to Nakhon Phenom AB, Thailand for one year.

Working for a doctorate at the University of New Mexico is **J. Eldon Steelman**. He majored in electrical engineering at Tech and was a member of Alpha Phi Omega service fraternity and the Student Council.



John R. Barrington has been appointed special projects director of the Market Planning Department for Levi Strauss and Company. Since May, '67, he has been western wear sales coordinator for the company. He was a member of Phi Beta Kappa and is living in San Francisco with his wife and two children.

Enjoying the "outdoor life" on the snow-covered slopes of Colorado is **James N. Hoek**. He is the district manager of the Denver district of the Campbell Soup Company and is living at 1365 Columbine.

FRIDAY
OCTOBER 25

Classes of
1951 - 1968

EX-STUDENT'S
RECEPTION

KO-KO PALACE

9 - 12

Co-Hosted By
The Lubbock Chapter
and
The Texas Tech
Ex-Students Association

A Delta Gamma sorority alum **Mrs. Merrill Klingler** resides in Albuquerque with her husband and two sons. Alice Ann majored in elementary education.

'61

Commander of the Manpower/Management Engineering Detachment at Shaw Air Force Base in South Carolina is **Capt. Michael L. York**. He recently returned to Tech for work on his master's degree in management.

Major Donald McMurray is attending a three months language school at Ft. Bliss, then will be stationed near Saigon in Vietnam. **Mrs. McMurray (Wanda Murray)** '60, and their two children will reside at 2910 Avondale Road in Columbus, Ga. She majored in home economics and he in civil engineering. He was a member of Phi Delta Theta fraternity.

An M.D. in pathology went to **Fay Lynn Leverett** in June. Her degree was earned at Case Western Reserve School in Medicine in Cleveland, Ohio. While she was a student at Tech, she worked at West Texas Hospital.

Ben Pilcher has returned to college as a graduate student. He is attending the University of New Mexico and is the president of the Albuquerque chapter. He majored in biology and was a member of Alpha Phi Omega service fraternity at Tech.

The newly named coordinator of the Department of Mathematics at Metropolitan State College is **Mike Ratliff**. He received his master's degree in '63. He and his wife, Mamie, have one daughter and live at 1921 Cherry Street in Denver.

A former member of Tech's SAE fraternity **Bill Wienke** is the treasurer of the Albuquerque Ex-Students Chapter. He majored in finance and is working with Quinn and Company. He and his wife, the former **Sandra Shaw** have one child.

'62

Mr. and Mrs. Robert R. Petty, Jr. (Nadene Daws) recently had a second son, Ronald Richard. They live near Nolan where Bob is manager and part owner of the RR Ranch. Nadene was a home economics education major.

A Kappa Kappa Gamma alumnae, **Mrs. Tom Gobble (Pat Clover)** recently moved to Beaumont where her husband has gone to work with Eli Lilly and Company. Their new address is 154 Stratton.

Kay Porter Freeman is working as a diagnostician for the Greenville Speech Clinic in Greenville, S.C. She and her husband, Sid, have one son. While attending Tech, she was a member of Gamma Phi Beta, and Mortar Board, and vice president of AWS.

A finance analyst in Huntington, W. Va., is **George T. Robertson**. He is working for the U.S. Dept. of Commerce in the area office. His wife, **Ann Israel**, is teaching algebra in a local high school.

Mr. and Mrs. R. E. (Buddy) Wimberly, Jr. (Linda Hegwer) '61, are living in Houston at 11325 Surrey Oaks. He has recently joined the Systems Consulting firm of Associated Computer Services, Inc. as a partner in the company. They have two daughters.

Jerry R. Storseth is the head of Agency Sales for the new KVVV-TV in Houston. He and his wife, **Kay Fenelon**, moved from Amarillo. He majored in marketing.

Dr. and Mrs. Doyce Graham (Linda Updike) '61, now reside in Clemson, S.C. He has been on the staff of Agronomy and Soils Dept. of Clemson University since October, 1966. Dr. Graham holds M.S. and Ph.D. degrees from Purdue University. They have two daughters.

A systems analyst for the Sandia Corporation in Albuquerque, N.M., is **Mel Mefford**.

He majored in management and was a member of Sigma Iota Epsilon professional fraternity. He and his wife have two children.

Major David D. Chamberlin has received the Silver Star and the Distinguished Flying Cross in Thailand. He was awarded the Silver Star for his heroic achievement during the emergency air defense of a camp near Chu Lai. He is a flight leader and is married to the former **Barbara Shaner**.

Jim Boggs has set up a private practice of architecture and urban planning in Corpus Christi, while teaching part time at Del Mar Junior College. He is vice president of the Corpus Christi chapter of the Texas Tech Ex-Students Association.

A former "Mr. Texas Tech" **Wayne Underwood**, has been named to the presidency of Lockett Seed Company, one of West Texas' leading cotton development and seed breeding firms. He was vice president of the Tech student body and received his master of business administration degree in marketing in '64. He is chairman of the Cotton Division of Texas Certified Seed Producers, Inc. and president of the Greenbelt Ex-Students Association. He is married to the former **Linda Lockett**.

'63

Mrs. Durward Mahon (Carolyn Davis) majored in English and was a member of Pi Beta Phi sorority. She and her husband have one son, King, and live in Lubbock where "Pug" is in the apartment business.

'64

Mr. and Mrs. Robert Vernon O'Neal (Sandra Worrall) '65, reside in Albuquerque where he is a biology teacher. He majored in science and was a member of the Kappa Alpha Order fraternity and president of Gordon Hall Dorm.

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whose number is PO 3-5712

Sandra was a member of Phi Mu sorority, and Phi Alpha Theta and a dorm legislator.

Returning to Tech as an assistant professor of accounting this fall will be **Belverd Needles, Jr.** He and his wife, **JoAnne** lived in Champaign-Urbana, Ill., where he worked on his Ph.D., at the University of Illinois in 1966 and in Chicago in 1967 where he worked in the research division of the American Hospital Association while working on his dissertation. JoAnne has continued to teach cello and take care of their two-year-old daughter.

Patricia Jeannine Ryan married Ronald Gerald Bronk, August 17. She plans to continue to teach at Columbian Elementary School in Denver.

Currently a Count Home Demonstration Agent for Hartley and Oldham counties, **Mrs. John H. Gruhlkey (Audrey Klaus)**, a home economics major, is residing in Adrain.

George Pat McDonald and his wife, **Barbara** are living in College Station where he is attending the College of Veterinary Medicine.

Capt. William A. Wisdom, Jr. has been selected to enter the University of Michigan under the Air Force Institute of Technology education program. The math major will study for a master's degree. He has been working as a weather officer in a unit of the Air Weather Service at Forbes AFB.

After a vacation to San Francisco and Hawaii, **Sallie Speer** is back in Denver, Colo., working in data processing and systems for Financial Programs, Inc. The company is the

management company for three mutual funds. She majored in business administration.

Mr. and Mrs. Jeff L. Fraley (Carolyn Buxton) are the proud parents of an eight-month-old daughter, **Jill Elizabeth**. An elementary education major, she was a Tech cheerleader and member of Delta Gamma sorority.

Party chief for Shell Oil Company in New Orleans is **L. M. Chenault**, a geophysicist. He is married to the former **Tanja Robertson**. They live at 6445 Marcie in Matairie.

Lt. Phillip W. Johnson is a member of the unit at Bien Hoa AB, Vietnam that has won selection as the best tactical fighter wing in the U.S. Air Force. He is an F-100 Super Sabre pilot with the 3rd Tactical Fighter Wing that has received the first award of the annual General Gabriel P. Disosway Trophy. His wife is the former **Sandra Pirtle**.

Dennis Watkins will become dean of men of Texas Wesleyan College in September. He has been assistant dean of men at Tech and is finishing work on his master's. He was a two-year football letterman and during his senior year was president of the Double T Association. He is a member of Alpha Tau Omega fraternity, Alpha Phi Omega, and Beta Alpha Psi.

Mr. and Mrs. George Wilson (Jeanette Wheeler) are the parents of a son, **Rob**, born July 1. She teaches homemaking in Ralls, and majored in home economics education and home management. She was a member of Phi Mu sorority. He is employed by Pioneer Natural Gas Co.

Carl M. Carter and **Mary Jane Hamilton '67**, were married in July in Matador. He will continue to work as the associate county agricultural agent in Hale County and she will

teach homemaking in Plainview High School during the coming school year.

'65

Chief industrial engineer for Celanese Venezolana in Valencia, Venezuela is **Alvaro Beron**. He is married to the former **Lynn Lawson '63**. She is a former Alpha Chi Omega and has been teaching English for the last four years. They have one son.

Mr. and Mrs. William R. Helms (Susan Jane Scott) '63, were married June 8 in Lubbock. He is a graduate student at Purdue University in physics and she is beginning graduate school in chemistry this month. Susan received a graduate teaching assistantship. They are residing at 2610 Ross Ade Drive, Purdue University, West Lafayette, Indiana.

A former Tech cheerleader, **Michael K. Bohn**, is beginning Officer's Candidate School in Newport, Rhode Island. He has been involved in the cattle industry since he received his Master of Arts Degree from Tech in '68. As an undergraduate student, he was the sports editor of the *La Ventana*, a member of Phi Delta Theta fraternity and Pi Sigma Alpha government honorary, and listed in Tech Salutes.

After completing a tour of duty including Korea and Ft. Sill, Oklahoma, **Capt. and Mrs. Ben T. Edwards (Gaylan Cole)** have returned to Lubbock where he will enter law school. While at Tech, he was a member of Saddle Tramps, the Student Council, and Delta Sigma Pi. Gaylan was president of Alpha Phi sorority, and an elementary education major.

Douglas Buck is a buyer for Sandia Corp. in Albuquerque. He majored in industrial management and was a member of Sigma Iota Epsilon professional fraternity.

A finance major receiving both his BBA and MBA degrees at Tech, **Terry Michael O'Don-**



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nell is now employed as an administrative trainee for Erwin Sheeting Division of Burlington Industries, and is residing with his wife, Susan in Greenville, South Carolina.

Mr. and Mrs. John K. Williams (Judy Dietz) and their son, Jeffrey, now reside in New Brunswick, N.J. He was recently promoted to the position of corporate coordinator of University recruitment for the Celanese Corp. in New York. He was a member of Phi Gamma Delta and Beta Gamma Sigma.

Since January, the **Kent Hardages (Melinda Gaen)** have been living in Colorado Springs, Colo., where he is employed as a circuit design engineer and she as a caseworker with the El Paso County Welfare Dept. He received his master's in electrical engineering and she received her B.S. in home economics from Tech in May.

Becky Ball Bookter is working for Simonson and Moore, Certified Public Accountants in Bellevue. Her husband, Karl, is a student at Seattle University.

Entering the Texas Tech Law School in September 1968 will be **Jim D. Rudd**, an accounting major. His wife, **Brenda Rogers Rudd**, will teach in Lubbock. She majored in education and was a member of Delta Delta Delta sorority.

Teaching in the Littlefield School System is **Mrs. Troy Jones (Doniece Reast)**. She majored in secondary education and is living in Amherst.

'66

John W. Alderfer is a staff accountant in the newly opened Las Vegas office of Haskins and Selle, Certified Public Accountants. He was formerly with the firm in Houston. He is a certified public accountant in Texas and Nevada and was a member of Beta

Alpha Psi while majoring in accounting at Tech.

Lt. Deborah G. Johnson will be doing graduate work at the University of Colorado this fall under the educational program of the Air Force Institute of Technology. She is an orbital analyst at the A.F. defense center in Colorado Springs. She was recently promoted from second to first lieutenant, and majored in chemistry.

Mr. and Mrs. Leon Scarbrough (Susan Lewis) are residing in San Francisco where he is employed by United Airlines as a pilot. Susan majored in speech and was married in 1966.

Don Davis, administrative assistant to City Mgr. Bill Blackwell, has accepted the position of assistant to the city manager at Hurst. He majored in economics and has done graduate work at Tech, the University of Texas and Texas A&M. Davis's wife, Linda, will teach at Hurst in the Hurst-Eules-Bedford School District.

Mr. and Mrs. Ralph Dinsmore (Marcy Pritchard) reside in Bartlesville, Okla., where he is a plastic engineer with Phillips Petroleum Co. Marcy, an English major, is now president of the Bartlesville alumnae chapter of Kappa Delta sorority. Ralph is the events chairman of an auto club and assistant scoutmaster of a Boy Scout troop.

Breckinridge rancher **Jim Bob Cody** and his wife, the former **Virginia Sue Rosser** have a son, James Robert Cody IV, born in December.

Mr. and Mrs. N. David Moore (Linda Hicks) are residing in Fort Worth where she is a credit analyst at Fort Worth National Bank. They have one daughter.

Recently returning to Dallas to rejoin the First National Bank in the Credit Division is

Bill Abraham, who was in business in Canadian, Texas, for seven months. His wife, the former **Marjorie Lootens** was a member of Gamma Phi Beta sorority.

Bruce W. Loughridge is a Warrant Officer candidate for Army Helicopter pilot. He is in advanced training at Hunter Army Airfield, Ga. He completed primary training at Ft. Walter, Tex., in May.

Mr. and Mrs. Charles J. Burk (Linda Kay Miller) are both teaching in Groom Public Schools. He is teaching vocational ag and she is teaching the first grade. He completed his master of Arts work at Sul Ross State College in animal science in '67, and is serving as the current president of the Amarillo District Vocational Ag Teachers Association.

'67

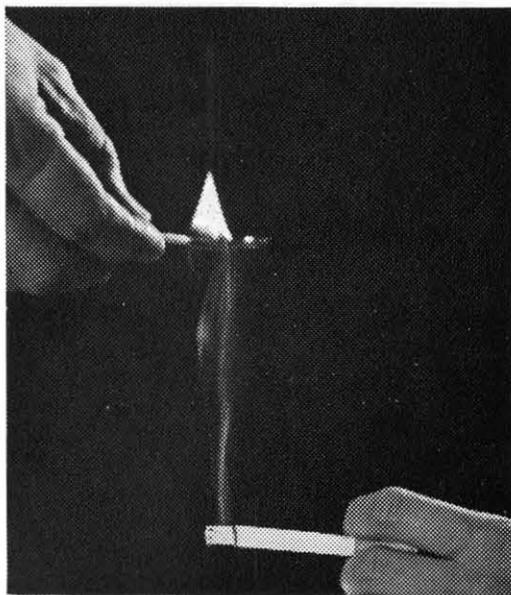
Eugene Lake and Susan Lancaster were married this summer in Dallas. Susan, a Tech senior, is a member of Phi Mu sorority. Gene was Homecoming Committee Chairman and president of Alpha Phi Omega. He is now employed as Field Director of Alpha Phi Omega.

Employed by Ralston Purina Co. as a management trainee in the consumer products division is **Bruce Blinn**. He is married to the former **Kathy Alexander**, a member of Alpha Delta Pi sorority. He is a member of Kappa Alpha fraternity.

Lt. and Mrs. Frank Edward Welling (Shelda Richards) are living in Milpitas, Calif. He is working at the U.S. Air Force Satellite Testing Center as an astronautical engineer and majored in chemical engineering. She was a history major.

Donald K. Johnson, a speech major is currently an audiologist and instructor of special education at Northeastern University, and is residing in Tahlequah, Oklahoma.

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Supervisor for Texas Instruments, Inc. is **Michael E. Beadle**, a management major. He and his wife, Julie, are residing in Richardson.

Donna Reary, who majored in Spanish, has been putting her degree to work teaching. She taught Spanish and English at Perryton High School in Perryton last year and will be teaching Spanish at Edison High School in San Antonio this year.

Gary and Lyn Brower are living in Fort Worth where he is with Associated Agencies, financial consultants and investments. He majored in advertising and marketing. Lyn majored in interior design in the department of home economics.

A Crowell, Texas, teaching principal, **Larry Heathman Jones**, is participating in a seven-week National Defense Education Act institute for advanced study in civics at George Peabody College in Nashville. He is principal of Crowell High School where he teaches American history and civics.

Sam Tiner is a systems design engineer at Collins Radio Co. in Richardson. While at Tech, he was active in Saddle Tramps and the Carpenter Hall House Council. He is now the secretary of the Richardson chapter Ex-Students Association. His wife, the former **Mary Lynne Bishop**, just received her degree in accounting from North Texas State University.

'68

Dorothy Dove is a fourth grade teacher at Regency Place Elementary School in San Antonio. She and **Lt. Gere Gage**, a former president of the Dolphins swimming fraternity, plan a December 28 wedding in San Antonio.

Dorothy was a member of Angel Flight and an AFROTC Sweetheart.

A Food Service Manager in Tech's Wiggins Complex is **Mrs. Travis Lynn McCormick (Susan Dee Barrow)**. She majored in food and nutrition. Her husband, Trav, is still attending Tech.

Sharon Scales, a Clothing and Textile major, is employed by Sanger-Harris Co. in Dallas as a Junior Executive Trainee. She is living at 4040 Hall St., Apt. 207.

Teaching history and home economics in the Hobbs Municipal Schools is **Patricia K. Slaughter**. She is from Midland.

Jim Griffin, a history major, is teaching social studies in Richardson. He and his wife are living at 100 S. Weatherford.

Raymond Haygood of Ballinger, an Animal Business major, is a salesman for Swift & Company in Fort Worth.

A computer programmer for United Services Automobile Association, **Wallace A. Robbin, Jr.**, is residing in San Antonio. He majored in economics while at Tech.

Jan Anita Jones, a secretarial administration major, is employed as a secretary at City Hall in Lubbock.

An agronomy major, **Robert H. Longman** is now assistant County Supervisor for the Farmers Home Administration at Center.

Nancy Blasingame, an International Trade major, is currently a stewardess for American Airlines.

A U. S. 2nd lieutenant in the Quartermaster Corps, **R. L. Dunagan, Jr.** is currently serving at Ft. Lee, Virginia.

Charles Pape is a technical engineer for Shell Chemical Co. in Pasadena, Tex. He majored in chemical engineering.

Recipient of the Title II Higher Education Act of 1965 Fellowship, **Linda Jane Ulom** will begin work in her master's degree at the University of Oklahoma in September. An English major, she now resides in Canadian, Texas.

Ernest R. Cox, an accounting major, is currently working as a staff assistant for the Pan American Petroleum Corp. in Monahans.

John J. King, Jr., a chemical engineering major, is working for Shell Chemical Co. as an engineer in the Computer Applications Group. He is married to the former **Suzanne Thomasson** and is living at 1911 E. Southmore Apt. 808 in Pasadena, Tex.

Teaching bookkeeping in Big Spring is **Arlene Hajek**. She majored in business education.

A marketing major, **Douglas Edward Mires**, is awaiting a term of service in the Navy by working as a timekeeper with a Lubbock Construction company.

Asaad Nahvi is currently employed by Anaconda Wire and Cable Co. as an industrial engineer. He and his wife, Ann, are living in Sycamore, Ill., at 711 S. Main St., Apt. 1174.

A chemical engineer for Proctor and Gamble Manufacturing Company is **William George Bailey**. The chemistry major is living in Dallas.

Jon G. Pipkin is working for Braniff International in Dallas. He majored in international trade and is now living at 1618 Champagne Dr.

In Memoriam

William C. (Bill) Clark, 46, who fashioned a double career as newsman and attorney, died in the intensive care unit at West Texas Hospital.

He had undergone an emergency appendectomy August 17.

A native of Lubbock, he was a 1938 graduate of Lubbock High School, a 1942 journalism graduate of Texas Tech and a 1955 graduate of the University of Texas Law School.

He was a partner in the law firm of Key, Carr, Carr and Clark.

Clark was a commander in the U.S. Navy Reserve, and served in both World War II and the Korean War.

He assumed command of the Naval Reserve Surface Division in Lubbock in 1957, serving in that capacity until 1960.

He was appointed to the rank of full commander in 1957.

After receiving his journalism degree from Tech, Clark served as a reporter on the edi-

torial staff of the Avalanche-Journal.

Survivors include his wife, his mother, and a brother.

Mrs. Jane Wier Ballard died in August in Washington, D.C., where she had been residing. She was a native of Brownfield and had been a resident of Lubbock until about two years ago.

She is survived by one son, two daughters, her mother, and one sister.

An Odessa school principal, **Orville Herman Pratt**, died July 23 while vacationing in Hawthorne, Nev. He had been hospitalized 15 days following a heart attack.

Pratt had been with the Ector County Public Schools since 1942, when he came to Odessa High School as a biology teacher.

After receiving his masters degree from Tech in 1953, he became principal of Fannin

Elementary School, a position he held until becoming principal of Ireland in 1959.

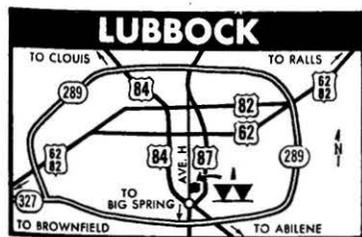
He was a member of Phi Delta Kappa, education fraternity. He is survived by his wife, a son, and one brother.

James Doyle Johnson, a Tech student, died Aug. 14 of a gunshot wound he received at his Lubbock residence.

He was from Truth or Consequences, N.M., and majored in finance and banking.

He is survived by his wife, Dianne, his parents, and three brothers.

Last rites were conducted in Dallas in early August for **Dr. Joe V. Moody '35**, who died of a heart attack. A well-known Dallas physician, he and his wife lived at 1534 Junior Drive in Dallas. He is survived by a son, **Joe K.**, a daughter, **Susie**, and two sisters, **Mrs. J. O. English** and **Mrs. Bennie McGowan**.



HOWARD JOHNSON'S

RESTAURANT AND MOTOR LODGE

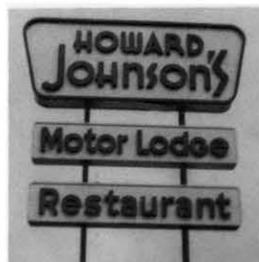
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BEHIND THE SCENE

By WAYNE JAMES

The enthusiasm and expectations of a new freshman class arriving on the Texas Tech campus could possibly be surpassed only by the first student body in 1925 of the "College that is to be."

President Paul W. Horn probably best expressed the enthusiasm of the pioneer student body and faculty in his message in the first *La Ventana*. It presents an insight of the hopes and visions for the young school.

The importance of his message relates not only to that first class, and each succeeding class, but also to the class of 1972.

Greetings from the President to the Student Body

You have been our comrades in a great adventure this year—the establishment of the Texas Technological College.

You have helped us to lay the foundations for a new institution, for an institution that will endure for many years to come. You have had a part in shaping its policies and in establishing its traditions.

Such an opportunity as we have had comes to people but once in a lifetime. We trust that in the future un-numbered classes of young men and young women will enter this institution and share in its life. These classes, however, must take the institution very much as they find it. They will find it very much as we have made it.

You are the first group of young men and women ever to enter the Texas Technological College. There will be many other groups, but there will never be another first group. It is a magnificent country in which our college is located. It is a region of magnificent distances, of far-flung horizons, of deep canyons, of lofty far-arching skies.

Everything that is done on these West Texas Plains ought to be on a big scale. It is a country that lends itself to bigness. It is a country that does not harmonize with things little or narrow or mean. Let us make the work of our college fit in with the scope of our country. Let our thoughts be big thoughts and broad thoughts. Let our thinking be in world-wide terms.

Let our affections, likewise, and our sympathies be as broad as the world is wide. Let us strive to exclude from our lives that which is petty, mean, ignoble.

There will always be room at Texas Tech for things that are big. There will be room for courage and industry and hard work, for love of God and of man, for faith in God and faith in Humanity.

May there never be room at Texas Tech or in the hearts of those who attend it for bitterness, for jealousy, for sectional strife, for bickerings, or for petty selfishness.

May our college make for the spiritual and material development of the land in which we live, for the coming of universal peace and goodwill among the nations, and for the extension of the Kingdom of Heaven among men.

President Paul Whitfield Horn



*A Freshman's View
of the Wiggins Complex*



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