

CLASP Starts for Lubbock

★ ★ ★ Fountain Plan Set

A water fountain with seven columns of water shooting 30 feet high and spilling into a 75-foot reflecting pool will soon mark the Broadway and College entrance to Texas Tech if plans instituted by the Tech Saddle Tramps, men's spirit organization, carry through.

Cost of the project, approximately \$60,000, will be met through contributions by students, ex-students, Lubbock businessmen and friends of the College, according to James Cole, Saddle Tramp member who is co-chairman of the project, serving with Paul Dinsmore.

The fund drive was kicked off Sunday, Feb. 16 Cole said.

An initial contribution of \$2,500 toward the construction of the fountain was made by the Ex-Students Association, Wayne James, executive director, announced last week.

As the accompanying picture shows, the fountain will start flush with College Ave. at the present Broadway entrance. Several feet in front of the pool will be landscaped and planted, then will come the reflecting pool itself, 75 feet long and 1½ feet deep. The 30 feet high columns of water will go up approximately as high as Sneed Hall. Focal point of the fountain will be the college seal 12 feet in diameter with raised bronze letters.

Design is by Schmidt and Stuart, Lubbock architects.

In describing the project, Cole, a Slaton senior, said that no individual or organization will be credited with the project, but rather it will be considered a student—exes—Lubbock cooperative effort.

"We hope to dedicate the fountain at Homecoming this fall," Cole said, explaining that a fountain was settled on after the idea had been talked around the campus for more than a year.

It will replace the present campus marker at Broadway and College put there by the class of 1934. Henry Godeke, who was president of the '34 class, is enthusiastic about the fountain and has approved the removal of his class' marker to another campus location.

The college newspaper, The Toreador, recently devoted a special issue in the fountain project, and the Avalanche-Journal and other Lubbock news media have been helping to forward the idea with the public and ex-students.

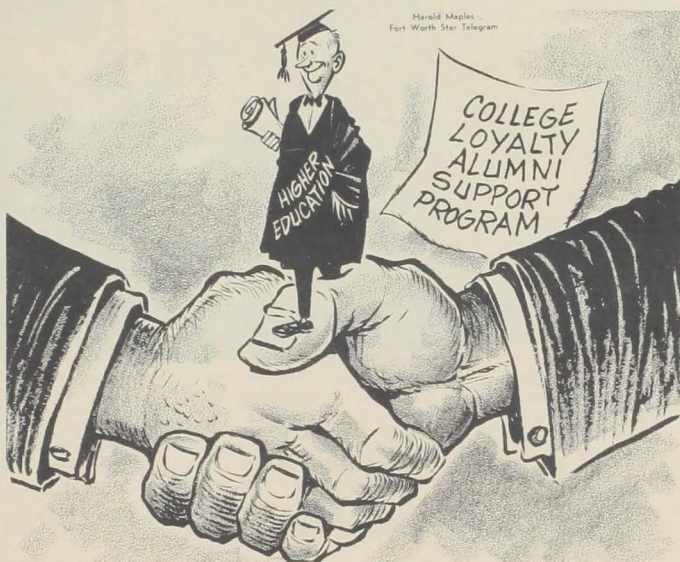
Among the college officials commenting on the project,

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Exes To Give Decal To Loyalty Funders

The members of the Executive Board of the Ex-Students Association and the Texas Tech Loyalty Fund Trustees had a joint all day meeting on Feb. 1 to review the activities of 1963 and make plans for 1964.

The adoption of an Ex-Student decal highlighted the meeting. The decal will be mailed to all Ex-Students making a gift to the Texas Tech Loyalty Fund in 1964.

The Board voted to pledge \$2,500 as a kick-off gift to the new entrance marker for the campus. The Board also discussed other ways in which the Ex-Students Association could be active in supporting this project.

President Floyd Read '48, who presided at the meeting appointed Ken Dowell of Dallas and Bill Bales of Tyler to be

co-chairmen of the Chapter Relations Committee.

In what some officers described as "the brightest" financial report in the Association history was reported by Haskell Taylor and Wayne James. They reported that an income of \$58,843.35 was received with disbursements of \$56,969.09, leaving a balance of \$1,874.26 for 1963.

Don Anderson '48 of Crosbyton was appointed Chairman of the Century Club Committee for 1964. Anderson immediately announced the appointments of Bill Collins '32, Joe Bryant, Paul Haskins '48, Ralph Krebs '43, and Roger Kuykendall '42, to his committee and that several other appointments would be announced later.

The Board gave special tribute to C.H. Cummings, who

served as Chairman of the Texas Tech Century Club in 1963. During 1963 this distinguished

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13 Schools In Drive

CLASP, a coined word, likened to the clasp of a hand, the clasp of an idea as well as a clasp binding together, is becoming a symbol of thousands of former college and university students in Texas.

The initials stand for College Loyalty Alumni Support Program.

CLASP is a cooperative effort by the alumni of colleges and universities—private, denominational and public—joining forces to strengthen higher education in Texas and the Southwest, and at the same time, to assist their respective alma maters.

The heart of the program is a simultaneous, coordinated fund drive among these ex-students.

Texas Technological College is a CLASP participant and will be active in several cities before the 1963-64 school year is over.

Primarily designed to dramatize to the public the value and needs of higher education, CLASP also serves to point out that private and public institutions can work together for a common purpose.

Through the wonderful volunteer leadership that is being obtained by officials of the Ex-Students Association, Texas Tech is beginning to receive more and more from the people who know and appreciate the school the most—the former students.

The "big campaign" for Texas Tech is the number of Exes to be contacted in the Lubbock drive, being held February 10-25.

Commenting on the Lubbock drive, Ex-Students President Floyd Read '48 believes this one is one of the most significant efforts ever made in Lubbock in the interest of higher education and Texas Tech on the part of Tech Exes.

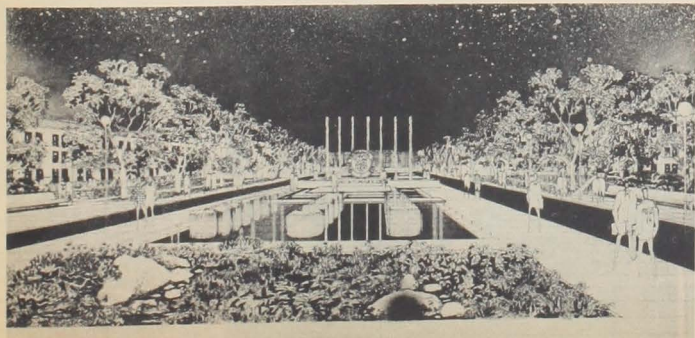
Although the citizen alumni of the CLASP participants are pooling their time and talents, there is no pooling of funds.

(Continued on Page 2)

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Lubbock, Texas

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Fountain at College Avenue Entrance

Ground Is Broken For Food Complex

Approximately 75 persons attended groundbreaking ceremonies Jan. 23, for Texas Tech's new Central Food Storage Building on the west side of the campus, where the ground was "breaking" in the dust-filled winds as fast as it was turned with the shovel.

College officials and residence halls personnel gathered for the ceremony heard Marshall Pennington, vice president for business affairs, describe the new Central Food Storage Building as "the culmination of something we've needed for years."

He pointed out that Tech now houses and feeds 5,285 students, with 808 from a new women's hall and 1,056 from a new men's hall expected to raise the total to 7,147 next fall.

"Texas Tech could not exist at its present size without the residence hall system," he said, adding that by fall the halls will be valued at \$22.4 million, and that all were constructed with borrowed money that is being repaid with residence hall revenues.

Pennington gave special recognition to members of the Campus Planning Committee and those who met with the committee, including Elio Urbanovsky, landscape architect and head of park administration; Nolan Barrick, supervising architect and head of architecture and allied arts; John Taylor, business manager; O. Ray Downing, director of building maintenance and utilities; and Robert Mason, supervising engineer and professor of mechanical engineering.

Mrs. Shirley Schulz Bates, director of Food Service, introduced residence halls personnel who had been selected to represent the halls at the ceremony because of years of faithful and loyal service.

They included Mrs. Ida Mae Shed, luncheon cook of Women's 6 and 7, who has been closely associated with Tech since the beginning of the residence halls in 1934. Mrs. Shed's mother, Mrs. Hattie Smith, came to Tech in that year, followed by Mrs. Shed in 1938.

Also honored were Mrs. Ola Lee Johnson, salad cook at Drane, who joined the residence halls custodial staff in 1944, and transferred to food service in 1946; Mrs. Ida Ma Morris, supervising cook of Horn and Knapp halls, who has been on the food service staff since 1947; Miss Mary Elizabeth Elliott, head dietitian at Thompson and Gaston Halls, who has been with the food service since 1950; and Mrs. Margaret Ragsdale Birkman, assistant director of food

service since 1956, who joined the staff in 1948.

Guy Moore, director of residence halls, was master of ceremonies. Dr. R. C. Goodwin, Tech president, spoke briefly emphasizing that the new food storage building will improve efficiency of the food service.

The new facility, located west of the Physical Plant Building on the Flint Ave. cutoff, is expected to pay for itself through economies in the purchase and preparation of food over a period of time.

The building will contain 33,000 square feet and enable the college to buy in greater quantities and provide a greater variety, Moore reported. It is scheduled for completion next fall.

CLASP ...

(Continued from Page 1)

Each institution receives gifts for its own purposes and through its own alumni solicitors.

Read pointed out that all gifts by Tech Exes are made to the tax-deductible Texas Tech Loyalty Fund.

At press time Texas Tech was busy hosting a Lubbock CLASP, and all indications pointed to a successful drive, especially considering that it was the first drive of its nature ever held here.

Dr. Clifford B. Jones, president emeritus of the College, served as master of ceremonies for the Lubbock kick-off banquet.

Curtis Sterling '50 is chairman of Tech's participation in the Lubbock drive.

Assistant chairmen are Dr. W. M. Pearce '34, J. C. Chambers '54, Ralph Krebs '43, and Hurley Carpenter '28.

Captains include Culver Hill '32, Arch Lamb '39, Watson Carlock '42, Charles Joplin '52, Don Brice '57, and Jerrell Snodgrass '59.

Wayne James, Exes official who has been busy with many of the details necessary for the CLASP drives, concurs with Governor John Connally, who is a keen CLASP advocate, and Dr. Edgar Carlsson, president of Gustavus Adolphus: "If a college has not succeeded in persuading its students to give after four years of experience on its Campus, after having been subjected to the whole educational program of the institution, it has failed in its mission. If it train men of 'get' but fails to train men to 'give', it really has no good reason for existence."

(CLASP officials pictured below)



MAILING OUT MORE than 18,000 copies of this newspaper, TEX TALKS, to ex-students takes several days. Here Kathy Ikenberry, part addressograph operator, runs the papers through for addresses that will carry them into every state in the union and some foreign countries. Picking up a bundle for mailing is Joe Winegar, supervisor of the mimeograph-addressograph and mail service at Tech.

Floyd Read Named President Of Exes Association for '64

The president of Tech's 1948 senior class, Floyd Read, was elected president of the ex-students Association for 1964 at a meeting of the Ex-Students Association Council during Homecoming.

Serving with Read of Lubbock as first and second vice presidents respectively will be Frank Calhoun '56, Abilene, and Don Anderson '48, Crosbyton. The new officers took office January 1.

Re-elected ex-student representative to the athletic council for a two year term was G. C. "Mule" Dowell '35, of Lubbock.

Three new directors were named for three-year terms. They were David Casey '34, Lubbock; Ken Dowell '44, Dallas; and Pat Thurman '50 Austin.

Elected to the Texas Tech Loyalty Fund Trustees to serve for three-year terms were: Joe Allbright '42, Andrews; Jack Maddox, '29, Hobbs, New Mexico; Cliff Cummings '34, Lubbock.

Ex-Students Association



Floyd Read

President, Earl Fulson '32, Dallas, presided at the Council Meeting.

The Council passed a resolution recommending to the College Board of Directors that they continue the pursuit of additional schools such as a School of Law, School of Medicine,

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Killgore Move On

The first inhabitants, 110 bulls, have been moved into Texas Tech's plush, nearly-completed Killgore Beef Research Center near Amarillo.

The \$500,000 Center will be formally dedicated March 12, 1964, in conjunction with a beef cattle field day and a bull sale. Between now and then, the many large and small details will be wrapped up by architects, landscape specialists, and contractors.

Nolan Barrick, head of architecture and applied arts at Tech and the College's architect on the Center, has been making frequent trips between Lubbock and Pantex, the tiny community near Amarillo where the Center is situated.

"We have made the final inspection on the facility," Barrick said, and it is essentially complete now. There are a few minor things to finish, but nothing of any great importance.

"We have also approved the cattle pens and I understand that the cattle have been transferred from the old pen area to the pens at the Center."

The Center, a two-story structural steel and reinforced concrete building, seems almost to appear from thin air in contrast to the barren, rolling West Texas prairie which surrounds it.

The top floor of the building contains the tastefully-paneled founder's room, which will soon be furnished and later dedicated to Florence Lee and C. L. Killgore; a library which will contain many books from the private library of Dean W. L. Stangel, dean emeritus of agriculture at Tech; a well-appointed kitchen; an apartment for a graduate student who will live at the Center, and a lobby and reception area.

The first floor of the Center contains four private offices, including the office of Dr. George F. Ellis, Texas Tech Research Farm manager. Just down the hall from the private offices are a general office, a report room with a vault, a laboratory, and a reception area.

Also housed on the first floor is the Center's bullorium, the sun-splashed arena where the bulls will be auctioned to the highest bidder on sale day. Plans for the bullorium call for two areas on the wall where slides may be shown which states the animal's performance and its breeding line.

The bullorium has an entrance from the feeding pens. Scales and cattle chutes lie between the bullorium and the 50 partially-covered pens which contain the animals during their performance testing. The pens are concrete floored for easy cleaning. A concrete drive runs along one side of the pens.

When the feed mill is finished, the cattle will be entirely mechanically fed. A monorail system will carry feed from the mill to the individual cattle pens.

Still more contracts are to be awarded before the actual dedication of the Center. Among these are contracts for paving, landscaping, sprinkler system, exterior lighting and furnishings and equipment.

All landscaping plans for the Center are under the direction of Elio Urbanovsky, head of park administration at Texas Tech.

When everything is in place and all the details have been taken care of, Texas Tech's Killgore Beef Cattle Center will be like no other facility in the nation for performance testing beef cattle.

Lubbock's First CLASP Drive Underway



Left to right, J. C. Chambers, Dr. W. M. Pearce, Ralph Krebs.



Dr. R. C. Goodwin, Dr. Clifford B. Jones, Curtis Sterling

Economic Center Is Established

Tech Library

Faculty, students and laboratories—especially a library—are the three basic ingredients of a college university, according to Dr. William M. Pearce, Tech's academic vice president.

And to a significant degree, the academic character of an institution can be measured by the quality and use of its library. In this respect, Tech is not only scholastically healthy, but getting better fast.

R. C. Janeway, Tech's head librarian, said the Library is basically a service agency for the instructional program, but its influence goes much further.

"The Library tries to meet the needs of the individual in the freest possible association. It is a liberalizing influence on education—a place where students and faculty can encounter ideas beyond their experience," he explained.

Statistically speaking, each Techsan annually borrows 16 books from the Library, an impressive figure compared to the 1949 average—4½ books per student.

Janeway attributed part of the increase to the new building first occupied in July 1962. He noted a 40 per cent increase in recorded use—material checked out—since then and said unrecorded use probably has doubled since then.

"Recorded periodicals circulation has gone down, but we know from the amount of work in that department that unrecorded use has increased. This means more students are studying in the Library," Janeway pointed out.

The head librarian cited professional staff shortage and lack of space as major functional weaknesses of the Library.

"We should have a minimum of 20 on the professional staff where we now have 16," he said.

The Library collection includes 600,000 volumes and plans for the building provide space for 1,600 readers. At present 50,000 volumes can not be shelved and study areas are adequate for only 709 persons.

The building's entire third floor and one-third of the basement—40 per cent of the shelf and study space—are unfinished due to lack of funds. The librarian said there are no definite plans for completion of these areas.

"We are serving 12,000 students with 700 seats rather successfully, though it is crowded at times," Janeway commented.

He pointed to lack of material related to the four newly approved doctoral programs as a significant weakness in the Library collection.

Basically the Library collection is selected by the faculty. "We try to respond to all needs that are made known. If we have the money and can find it, we buy it," Janeway said.

"However, if students are unable to find what they want we usually never know it. We welcome requests from students and will be happy to try to acquire material for them," he added.

Choir to See Work Begins World's Fair On Addition To Bookstore

The Texas Tech choir has accepted an invitation to appear at the 1964 World's Fair in New York City, N.Y., in May.

Directed by Gene Kenney of the Tech music department, the choir is scheduled to present two concerts May 31. During an afternoon concert they will sing secular music and during the evening performance they will present sacred songs.

Tentative plans for the trip include a possible television appearance or concert in Philadelphia, Pa., May 27, according to Kenney.

Various concerts on the return trip June 2 may also be included. The choir will travel by chartered plane.

The Tech choir will be one of several choirs appearing at the Fair's Cultural Building. A series of concerts by various groups will be presented during the fair.

To raise money for the trip Kenney has announced that the choir will stage three or four concerts for ex-student meetings in Houston, Dallas, Amarillo and Midland during the spring semester.

"More room for more books" is the theme as the heavy construction equipment begins to clear the ground and workers complete the construction of a high wooden fence around the once grassy playground adjoining the Texas Tech College Bookstore.

This spot where children used to play has been appropriated by the Campus Planning Committee as the site for an addition to the Bookstore.

Scheduled for completion by August 1, 1965 at an estimated cost of \$238,499; the new addition will be composed of both a basement and a spacious ground level.

While the basement will be used almost entirely for storage, the 65 by 102 feet main floor will be chiefly designed to accommodate books of various types. One end of this level, however, will be devoted to offices, a lounge, and a conference room.

The purpose of the expansion is to meet the rapidly growing enrollment at Texas Tech.



PLAN FOR ECONOMIC CENTER—Three members of Texas Tech's School of Business Administration go over plans for the newly created Center for Economic Education at Tech. Left to right are Dr. John Gilliam, executive director for the Center and associate professor of business education; Dean of Business Administration George G. Heather; and John Wittman, assistant professor of economics. (Tech Photo)

Archeologist 'Digs' Drama, Dance, Ruins

An archeologist who "digs" dancing and drama, as well as artifacts, and is working toward a Ph.D. degree at Harvard University, would be an interesting addition to any college faculty.

This is especially true when the Harvard-educated archeologist turns out to be a petite, hazel-eyed young woman, as is Miss Sarah Ann Cameron Keller, instructor of anthropology at Texas Tech.

Miss Keller, a native of Boston, Mass., came to Tech in the fall of 1963, and will teach in the anthropology department through the spring semester, 1964, before returning to Harvard to complete work on her doctoral degree.

As an archeologist in the field of anthropology, Miss Keller has gone to school for the past eight years, and spent her summers at various sites in North America, digging for traces of ancient cultures.

Before becoming a graduate student at Harvard, Miss Keller did her undergraduate work at Lawrence College in Appleton, Wis., where she received a B.A. degree in anthropology with an additional major in geology.

She describes the fields of archeology and anthropology as "more open to a woman than you would think."

"It's about the same as women in history, and much better than for women in geology," she added. "Geology is difficult for women because of precedent, not because they aren't as capable."

She says that out of 100 persons registered in anthropology at Harvard, approximately 20 of them are women.

Miss Keller was the first woman from Harvard to go into the middle American field, traveling to Guatemala with an all-male expedition in 1962.

Miss Keller described the camp as "the most luxurious field camp I had ever been in," even though it was situated in the jungle.



Miss Keller

"Because you can't live in the jungle there, as you can in an open camp in the more temperate zones, we actually had houses, and more conveniences than I've had at sites in the United States."

To give her more privacy, Miss Keller was assigned the house nearest the jungle, away from the other houses where the men lived.

"I confess I was a little frightened by the jungle noises and being so close to the animals thrashing around in the bushes," she said with a laugh.

In addition to the 90 days in Guatemala, Miss Keller has spent the past several summers digging at Hell Gap, Wyo., on a project sponsored jointly by Harvard and National Geographic.

When Miss Keller and the group first opened the new sites at Hell Gap, not even the residents of the area knew the name of the place, which is near Hartville and Patten Creek, Wyo.

Miss Keller described the type of work done at a site such as

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For Economic Literary Help

A new Center for Economic Education in Texas has been established at Texas Tech, according to Dean of Business Administration George Heather.

Designed to "promote economic literacy," the Center will disseminate information on economic education, sponsor research and development and distribute improved instructional techniques and materials in economic education.

Tech's new Center will also sponsor institutes, conferences, seminars and workshops in economics and provide consultant services to teachers, school systems and other interested groups.

"It is an honor for Tech to be the first college or university in Texas to have a Center for Economic Education and to have the opportunity for leadership in the development of economic literacy in this state," Dean Heather said.

Other centers for economic education have been organized at points throughout the United States. The role of these institutions of higher learning in promoting economic education has been achieved through the coordination of activities of several departments on the campuses.

Tech's Center has been in the process of development since last year, through the efforts of John Wittman, assistant professor of economics, and Dr. John Gilliam, associate professor of business education at Tech.

The Center will be supervised by the business administration dean. It is governed by a five-man board, nominated by the heads of the departments concerned.

On Tech's board will be Dr. Robert Amason, associate professor of marketing; Harry Walker, assistant professor of economics; Dr. Berlie Fallon, professor of education; Wittman; and Gilliam, who has been elected director of the board.

"America has long been accused of being a nation of 'economic illiterates,'" Gilliam said. "However, during the past few years a constantly increasing number of businessmen, economists and educators have expressed their concern and offered support in the development of programs in economics education."

The national Joint Council on Economic Education, established in New York City to promote economic literacy on a nation-wide basis, has been instrumental in the development of local, regional and statewide organizations throughout the country.

An advisory board, composed of leaders in the various professions in the area served by the new Center, will be named for Tech's organization at a later date. This board will function in an advisory and resource capacity for the Center, with members appointed for a two year period and subject to reappointment by the Center's board of directors.

The activities of the Center will be grouped broadly under three headings: teaching economic understanding, research and publications and public service.

Plans call for many of the activities to be carried out through the Tech educational television station, KTTX-TV. In addition, the Center will furnish speakers for schools, industry and fraternal, professional and social organizations.

Tex Talks is published four times a year by the Texas Tech Ex-Students Association. The Association, however, does not necessarily endorse all of the material appearing in Tex Talks.

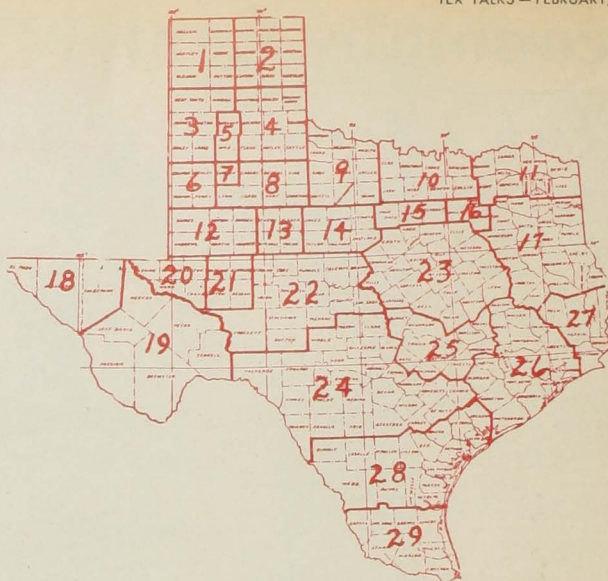
ASSOCIATION PRESIDENT
Floyd Read

EDITOR
Wayne James

MANAGING EDITOR
Ralph L. Sellmeyer

1963 Loyalty Fund Contributions By Districts

District	No. of Exes	No. Giving	Amount	% Contributing
1.	718	233	\$1,847.81	32
2.	499	82	1,206.08	16
3.	529	99	1,027.00	19
4.	316	47	452.10	15
5.	475	73	689.50	15
6.	571	91	1,052.85	16
7.	3,590	823	13,513.75	23
8.	420	77	830.56	18
9.	440	69	685.55	16
10.	258	27	123.00	10
11.	139	6	118.00	4
12.	511	74	836.00	14
13.	278	37	260.51	13
14.	431	111	781.00	26
15.	840	133	1,134.39	16
16.	1,334	363	3,414.70	27
17.	353	93	834.06	26
18.	220	45	652.50	20
19.	115	14	99.00	12
20.	412	55	354.00	13
21.	594	213	1,698.90	36
22.	396	53	335.60	13
23.	412	58	338.50	14
24.	317	47	603.90	15
25.	340	135	834.70	40
26.	928	178	1,638.58	19
27.	107	17	153.00	16
28.	234	29	148.20	12
29.	92	15	69.50	16
30.	959	171	1,198.45	18
31.	468	64	1,789.80	13
32.	390	58	405.00	15
33.	724	117	795.50	16
34.	685	113	2,435.80	16
35.	718	152	1,162.10	21
36.	412	90	1,004.00	22
APO-FPO	113	48	733.30	42
OUSA	186	21	190.00	11
TOTALS	20,524	4,131	\$45,447.19	20



ASSOCIATION DISTRICTS—Texas is broken into 29 Association districts, which follow county boundary lines, as indicated on the above map. The remainder of the United States is divided into Districts 30-36. DISTRICT 30 includes Oregon, Washington, Idaho, California, Nevada, Utah and Arizona. DISTRICT 31 is composed of the upper half of New Mexico, while the lower half is DISTRICT 32. Included in DISTRICT 33 are Colorado, Wyoming, Montana, North

and South Dakota, Nebraska, Kansas, Missouri, Iowa, Minnesota, Wisconsin, and Illinois. DISTRICT 34 is composed of Oklahoma, Arkansas, and Louisiana. DISTRICT 35 includes Michigan, Indiana, Kentucky, Ohio, Virginia, Maryland, Delaware, New Jersey, Pennsylvania, Rhode Island, New York, Connecticut, Massachusetts, New Hampshire, Vermont, and Maine. The states of Florida, Alabama, Georgia, North and South Carolina, Mississippi, and Tennessee make up DISTRICT 36.

'63 Loyalty Fund Exceeds '62 Drive

Contributions to the Texas Tech Loyalty Fund in 1963 hit a new high—\$45,447.19, Wayne James executive director of the Ex-Students Association, has announced.

This was an increase of \$7,326.80 over the previous year and an increase of \$21,599.04 over 1960.

Twenty percent (20%) of the Tech Exes solicited in 1963 made a gift.

The number of Exes making a gift in 1963 was 4,131 an increase of 408 over 1962. This was an increase of 993 over 1960.

James paid special tribute to the Exes in Amarillo, Austin, Dallas County, East Texas area, Abilene, and Midland, who had personal solicitation campaigns for the Loyalty Fund. "It was the tireless work of volunteer workers in these areas that accounted for much of the increase in contributions in 1963," he said.

The personal solicitation drive in each of the areas was held in connection with CLASP campaigns. James pointed out that personal solicitation drives are planned in a number of additional cities in 1964.

District 7 (Lubbock County) had an increase of \$845.07 in gifts to maintain its lead in the total amount of gifts—\$13,513.75.

District 16 (Dallas) was second with \$3,414.70 in gifts—an increase of \$1,237.74 over the previous year. District 16 had 146 more contributions in 1963 than in 1962. Twenty-seven percent of the Exes in this district made a gift.

District 25 continued for the second consecutive year to be a leader in the percent of Exes making a gift, with 40%—an increase of 4% over the previous year.

Other districts with a high percentage of Exes making gifts were District 21 with 36% and District 1 with 32%.

The average size of gift by each Ex-Student in 1963 was \$11—an increase of \$3.11 over 1960. It was pointed out that even though this was an increase it was still below other schools in the area—SMU, \$37.42; TCU, \$29.10; A.C.C., \$21.99; Rice, \$19.75; Oklahoma, \$17.98; Texas A&M, \$16.23; and Hardin-Simmons, \$12.62.

District 31 had the highest average size gift with an average amount of \$27.97. It was followed by District 34 with an average gift of \$21.56, District 11 with \$19.66 and District 7 with \$16.42.

Class of 1962 Leads

The class of 1950 held on to a first or second place position in the number of Exes making a gift for the ninth consecutive year. The class of 1962 led with 295 gifts and was closely followed by the class of 1950, which had 285 gifts.

The class of 1950 edged out the class of 1932 in the total amount given by \$3,029.75 to \$2,929.75.

However, the class of 1932 led with the highest average size of gift—\$49.65.

"More and more Exes and Friends of the College are taking advantage of the tax deductible status of gifts to the Texas Tech Loyalty Fund and are making gifts of \$25, \$50, \$100, and larger amounts," James said.

The total amount of contributions to Texas Tech by Ex-Students was unavailable James reported. In addition to the Loyalty Fund, several other offices on campus and groups associated with Texas Tech solicited the Exes in 1963.

Twelve Ways Gifts Help

Twelve ways your 1964 gift to the Texas Tech Loyalty Fund will work to Build a Greater Texas Tech and to help the Ex-Students Association to better serve you and the College.

1. Recruitment of outstanding High School Students.
2. Help finance the construction of an appropriate entrance marker to the campus in 1964.
3. Publishing The Texas Techian which is mailed 8 times each year to all contributors and Tex Talks 4 times each year to all the Exes around the world to keep them in touch with the college and each other.
4. An Ex-Student Decal, which will be mailed to all 1964 Contributors.
5. Priority on all Individual Game Football Tickets (after season tickets are sold).
6. Sponsorship of the annual Two-Day Homecoming Celebration each fall and Texas Tech Day in the Spring.
7. Purchase of a new 14 minute movie of the College to be used by Ex-Student groups, civic clubs and in the recruitment of students.
8. Maintaining of thousands of records on alumni for the College as required by the accrediting agencies.
9. Providing scholarships and loan funds for the benefit of needy and deserving students trying to finish their education.
10. Sending out over 200,000 pieces of mail each year in promotion of the College.
11. Helping to provide transportation for cheerleaders to out-of-town athletic events.
12. Sponsoring a recognition program for returning members of the faculty and staff of the College.

1963 Loyalty Fund Contributions By Classes

Class	Number Giving	Rank Among Classes in No. Giving	Amount	Increase or Decrease
1925	0	40	0	—\$5.00
1927	12	36	\$142.24	+ \$68.75
1928	18	35	343.00	SAME
1929	57	27	903.50	+11.50
1930	36	34	586.50	+54.50
1931	44	32*	635.50	—55.00
1932	59	25*	2,929.75	+1,536.25
1933	50	29*	940.50	—173.00
1934	59	25*	937.00	—285.00
1935	50	29*	1,076.43	+152.90
1936	65	24	1,152.00	+136.00
1937	66	23	825.75	—144.50
1938	85	19	821.50	—38.00
1939	92	18	1,300.50	+38.50
1940	83	20	1,430.25	+350.50
1941	102	17	1,439.75	+166.75
1942	74	22	858.25	+61.80
1943	79	21	920.25	—83.00
1944	49	31	558.50	+51.00
1945	44	32*	403.00	+80.25
1946	53	28	516.50	+69.00
1947	105	15	895.00	+6.50
1948	138	11	1,397.00	+34.50
1949	225	3	2,245.00	+269.50
1950	282	2	3,029.75	+437.25
1951	206	5	1,755.50	+137.50
1952	177	6	1,744.00	+152.00
1953	130	12	993.76	—127.99
1954	103	16	827.00	+66.00
1955	109	13	948.33	+872.75
1956	106	14	726.25	—134.75
1957	161	8	1,051.00	+9.38
1958	148	9	832.00	+24.44
1959	146	10	918.00	+201.10
1960	166	7	887.39	+154.59
1961	221	4	1,205.75	—588.05
1962	332	1	1,919.33	+1,637.83
1963	11	37	37.35	36.85
1964	2	38	8.50	+3.50
1965	1	39	3.50	+3.50
NCG	148		2,275.10	+591.20
FOT	34		3,027.00	+1,515.00
TOTALS	4131		\$45,447.19	+ \$7,326.80



SOUTH-OF-THE-BORDER—Nineteen year old Jane Nelson of Alamogordo, N.M., models casuals. For relaxing on the range, the Texas Tech freshman wears an unbleached cotton shirt with natural lace bib and cuffs.

Coed Named Outstanding Teen, Fashion Model

Nineteen year old Jane Nelson, selected as one of the nation's outstanding teens, made her debut as a magazine fashion model in the January issue of "Seventeen."

The Alamogordo, N.M., teen was chosen as one of 17 girls who personify the nation's most accomplished and photogenic teens. To find these girls, searchers enlisted the cooperation of leading civic, scholastic and service organizations and screened almost 1,000 young women under 20.

Miss Nelson posed before the color camera under the sunny skies of the Southwest. In the "Mexican Echoes in Muslim" spread, the green-eyed brunette appears in three casual cotton

outfits with south-of-the-border touches, ranging from a lace-accented shirt and a bib-embroidered dress to a jumping-bean shift with wooden buttons.

A finalist in last year's Miss Teenage America pageant, Miss Nelson devotes much of her time to church and school musical activities. Now a freshman music major at Texas Tech, she is a member of choir, orchestra and madrigal groups.

The young musician is a 1963 graduate of Alamogordo High School where she was Girl's State representative, a member of the cheerleading squad and recipient of both drama and music awards. Her hobbies are swimming, golf, bowling, water skiing and playing guitar.

Floyd Read Named President...

(Continued from Page 2)

School of Veterinary Medicine and other professional schools that would enhance the graduate program and attract more graduate and undergraduate students who are interested in these major fields. The resolution pledged the Association's support and assistance toward the acquisition of the Schools and in recruiting students to guarantee the success of the new schools.

The Council unanimously voted an honorary membership in the Ex-Students Association to C. T. "Stoney" Wall of Amarillo. Wall is believed to be the first person ever to be voted an honorary membership. The immediate past chairman of the College Board of Directors, Wall has served as president of the Red Raider Club, is a member of the Texas Tech Century Club, and was instrumental in the Chapter in 1961. He has two children, Harold F. Wall and Mrs. Sharlene Steelman, both of Lubbock, who attended Tech.

The Council approved a budget of \$58,915 for operation and projects of the Ex-Students Association in 1964.

Executive Director Wayne James '57, reported on activities of the Association during 1963, and pointed out that the Association is financially in the best position it has ever been

in and that activities and projects are being increased.

James said that efforts were being made to improve and expand the size of the Association's publications. He paid special tribute to the Exes who worked in the CLASP drives and in the recruiting of strong academic students.

The Council interrupted James' speech for an ovation to its staff for winning a second place award in a Direct Mail Contest of the American Alumni Council for its Chapter Officers Manual.

James reported that a special committee under the direction of Don Anderson had been investigating the possibility of setting up some type of endowment program for financing the Association's projects and operations for the future.

President-elect, Floyd Read, expressed his appreciation for being elected president of the Association. He presented Fuson with a certificate of appreciation for his service to the Association.

In a meeting of the Texas Tech Loyalty Fund Trustees following the Council meeting, R. C. Mitchell '37, Lockney, was elected president. Kenneth Reast '45, Littlefield was elected vice president and Marshall Pharr '55, Andrews, was elected secretary.

David Parks Day Honors Tech Star

"When I grow up I'm going to play professional football."

These words, spoken so soft to his parents and close friends, will soon come true for David Parks who was honored recently at a banquet in Abilene, his hometown, as their first All-American.

"I can remember him telling us over and over while he was growing up," Mrs. Tom R. Parks, David's mother, said, "that someday he was going to play (football) with the pros."

Parks, who was named to the Associated Press All-American first team, was the first National Football League draft choice this year. He signed later with the San Francisco Forty-Niners.

"David was a good boy," Mrs. Parks continued. "We never had any trouble with him."

He likes all sports, but football is the main one for him. Ever since he was a little fellow he's wanted to play football, and spent every spare moment he had out playing ball."

With the theme "This is your Life, David Parks," Parks, who is an All-State, All-Southwest Conference and All-American end, and his family, ex-teamsmates, coaches, friends and fans heard words of tribute, praise and appreciation for his many years of hard work on as well as off the gridiron.

"This is the greatest thing that has ever happened to me. I'll never forget it," Parks said of the banquet in his honor.

The climax of the luncheon came with the presentation of golf clubs and a caddy cart to Parks with the inscription "To David Parks, All-American, from 100,000 Abilenians."

The club head of the putter is 24-karat gold and so is Parks, to hear his ex-coaches, teammates, friends and fans tell it. And tell it they did in following the theme of the banquet—from Texas Tech Coach J. T. King to Russell McClure, Park's elementary coach.

"What can Parks do best?" is a question a pro scout asked King about him. "In my profession and your profession" King replied, "it's the way he pitches the ball to the referee after he scores."

King said that football players are divided into three classes—the 10 per cent who are the winners, the 10 per cent who are the losers and middle 80 per cent who can take it or leave it. "Parks is in the top 10 per cent."

John Conley, Texas Tech assistant and former Snyder head coach, said that there was a problem on the evaluation of personnel for next season.

"We don't know whose name we'll be writing first on the personnel list next year. We've been writing Park's name for the last three years."

King related how he described Parks' legs as "two tooth-picks stuck in a bun" after watching him for the first time, but that after Chuck Moser, then Parks' high school coach, said that "Parks can play for anybody" he beat a path to the Parks' house.

Giving a short summary of his high school days, Moser remembered Parks as a boy "who didn't talk too much, a boy who desired to excel, the easiest boy I had to fire up; a boy I never saw loaf; a boy

who was liked by all the other boys."

Moser revealed that when Parks was elected Abilene High captain in 1959 he received the vote of every other Eagle on the squad.

"Parks played the best ball in games that the coaches, the



David Parks

boys and the town wanted to win the most," Moser pointed out. "We're very grateful for David."

Blacky Blackburn, David's junior varsity coach at Abilene High, ended his chapter of "This is Your Life, David Parks" on a wistful note.

"My only regret," said Blacky, who doubles as head baseball coach, "is that I did not sell him on baseball. He might have signed with the New York Yankees instead of the San Francisco Forty-Niners."

As a 140-pounder, Parks started his junior varsity career on the third string but he showed such improvement that he was soon playing first string. "He was a boy who had his mind on football and was willing to sacrifice," Blackburn said.

The 126-pound Parks was described by Lincoln Junior High Coach Milton Bryant as "small in stature but big in heart and desire."

Bryant told of the time that David was knocked out and Bryant did not realize that anything was wrong until one of the Longhorns came over to the sidelines and said: "Coach, David's acting funny. He's trying to call the plays and then he asks us what he's supposed to do."

"David, we've proud that you came our way and were a Longhorn," Bryant said in voicing his appreciation.

Chapter One in "This is Your Life" was told by Russell McClure, who was David's sixth grade coach on the Bowie Bobcats.

David was a skinny boy of about 70 pounds, with his jersey hanging out of his pants at the back. He looked more like a scarecrow than a football player.

"But before the season was over I learned something. He started both ways and was the toughest defensive player we had," Russell pointed out.

The San Francisco Forty-Niners were not represented at the luncheon but Mose Cook, master of ceremonies, read a telegram from Lou Spadia, general manager.

Sincerely regret I am unable to attend luncheon in your

honor. The entire Forty-Niner organization joins me in congratulating you on the richly deserved testimonial. We are very proud to know you will be joining us," the telegram read.

Presenting All-American certificates of various sizes and degrees to Parks were Ed Cope of TV Guide, Dick Tarpley, assistant managing editor of the Reporter-News, who presented the Sporting News award; and Sports Editor Fred Sanner of the Reporter-News, who presented the Williamson Rating System award.

Special guests at the luncheon included the parents of David and Mrs. Parks, Mr. and Mrs. Tom Parks and Mr. and Mrs. Johnny Bell, all of Abilene, four former 1958 Abilene High teammates of David—Charles McCook, Bobby Austin, Ray Crumpler, and Johnny Russell; Polk Robison and Bill Holmes, athletic director and sports publicity director, respectively, at Texas Tech; and Escote Webb, principal of Abilene High.

Decal...

(Continued from Page 1)

organization had one of its big-geared years of growth. The 144 active members in 1963 contributed in excess of \$19,000. Other members of the Century Club Committee that drew praise from the Board were Joe Bryant, Lubbock, C.I. "Stoney" Wall, Amarillo; J.M. Maddox, Hobbs, New Mexico; Bill Collins, Lubbock; and Anderson.

Wayne James gave a report on Lubbock CLASP, which the College and the Association are hosting. Curtis Sterling, chairman of Tech's campaign, gave a report on Tech's part in the drive.

A new film of the College was shown and it was decided to purchase one print of the film. The 14-minute film is to be made available to Ex-Student Chapters, civic clubs and to be used in the recruiting of honor students.

The Association's recruiting of Honor Students program was discussed at length.

Other items discussed included a program to honor the Class of 1939, Texas Tech Day, a continuing education program, and a program to honor each year's graduating class.

Fountain...

(Continued from Page 1)

Manuel DeBusk, chairman of the board of directors was most enthusiastic: "Texas Tech is first class. The proposed entrance marker will contribute greatly toward projecting that image. The board of directors of Texas Technological College appreciates the initiative and imagination shown. We are confident of its successful completion."

Dr. R. C. Goodwin, Tech president said: "This effort has the full support of the Administration of this College. It is most appropriate that the principal entrance to the campus should be more in keeping with the other developments of the College. This is... an entrance of which we may all be proud. Your support of this project will be appreciated."

Students Combine Suits and Boots

Agriculture students at Texas Tech are combining cowboy boots with business suits and are becoming scientists as well as soil tillers.

Dean Gerald W. Thomas, top man in the Tech School of Agriculture and a driving force in the move toward the contemporary approach, puts it this way:

"Agriculture is becoming more scientific and also more of a big business. We try to help industry solve many of its problems through the things we are doing at Tech.

"In our instructional program, we are emphasizing that agriculture, the nation's number one industry, is no longer confined to the farm and ranch. It encompasses a multitude of commercial enterprises such as suppliers, processors, and distributors of farm and ranch products plus many associated services."

Ranks 12th In Students

To help solve these problems, Thomas has moved his sprawling school, currently ranking twelfth nationally in enrollment, heading into greater emphasis on research and public service.

"Agriculture is an area in which the United States continually outstrips Russia," Thomas said. "This has increased our awareness of research and development as keys to continuing these successes."

Seventy-four per cent of the Tech Agriculture School faculty members are conducting research projects of some sort. These projects cover a wide spectrum, from an urgent battle by entomologists against grain sorghum midge to developing sewage effluent as an additional source of water for irrigation and commercial uses.

We cooperate with other agriculture schools, the U. S. Department of Agriculture, private business and industry, such farm organizations as the Grain Sorghum Producers Assn. and private research foundations," Thomas said.

Thomas points to the research being done by his staff members as "evidence of maturity" in the School of Agriculture.

"Research is essential to an adequate program of higher education," Thomas continued. "It stimulates the faculty to keep abreast of changing situations in agriculture. Our students are more interested in their college work when they are engaged in advancing the frontiers of knowledge."

Research also allows specialists to be brought in that Tech normally would not be able to obtain, according to Thomas.

Outlining research in the seven departments which comprise Tech's School of Agriculture, Thomas began with agricultural engineering.

"Research in cotton gin engineering, particularly as related to cotton handling and conveyance during ginning, may mean more profits for cotton farmers through decreasing fiber damage during processing," he said.

The school's agronomy and range management department is one of the rapidly expanding parts of the School of Agriculture. The most recent studies in this field deal with the use of radioactive isotopes in measuring grain sorghum, cotton and range grass root systems.

A Tech professor of agronomy who holds a Rockefeller Foundation grant has done extensive cooperative work in



SOIL CHEMISTRY ANALYSIS—Gerald Harmon, left, and Don Goss run tests on soil samples to determine the percentage of nitrogen as part of the scientific approach to agriculture being stressed at Texas Tech. Harmon, a junior agronomy student from Stephenville, takes a distilled sample to run other tests on it. Goss, a graduate student from Edcouch, places an empty beaker into position to catch more distilled materials. (Tech Photo)

Mexico analyzing soil from the Papaloapan Basin, Veracruz, Mexico.

Range management faculty members are concentrating on selection of grasses best suited for West Texas range lands, evaluation of systems of management, and the inter-relationship of wildlife and livestock.

The widely-discussed population explosion has placed great emphasis on Tech's animal husbandry department. Through research in all-concentrated feed for animals, livestock producers may be able to gain more efficiency through feeding greater numbers of animals on small plots of land. One five-acre pen on Tech's farm is feeding the stock equivalent to a 15,000-acre ranch cow-calf operation.

As a welcome addition to animal husbandry research, Tech will soon formally dedicate its new \$5 million Killgore Beef Cattle Center. This center, located at Pantex, near Amarillo, will be the base for an extensive program of studying animal breeding and nutrition.

The park administration department has, in effect, "gone to work" for a number of Texas cities and communities. In addition to preparing a master plan for Texas State Parks which is being considered by Gov. John Connally and his staff in Austin, scores of city and community parks planning studies have been made.

"Small towns need this park planning service desperately because they have no access to qualified personnel in their organizations," Thomas said.

Studying Midge Threat

Entomologists at Tech have teamed with others over the state to combat a midge threat which cost Texas grain sorghum producers \$6 million in losses in 1963. Two staff members went to Argentina this year to screen insecticides used on midge. This use of winter growing seasons will provide two years of information in one year, according to Thomas.

Another area being invaded by Tech entomologists in cooperation with public health agencies and the High Plains Underground Water District deals with playla lake modification and encephalitis control.

The heat transfer characteristics of fluid dairy products, in

particular what happens in cooling, heating and preservation, are under study in the dairy industry department. An additional project is seeking applications of dairy products as table spreads.

Public service, the application of research in Tech's School of Agriculture, comes through scores of short courses, conferences, and meetings conducted annually.

The mountain of research material gathered through the efforts of Tech staff members is not allowed merely to gather dust in the dean's filing cabinets.

Thomas claims that the consumer has gained the most through progress in agriculture, while a smaller amount of benefit has gone to the farmer in the process.

Archeologist . . .

(Continued from Page 3)

Hell Gap in two words, "Everybody digs."

"We work an eight hour day, five and a half days a week," she elaborated. "In this country we use a large volunteer crew of undergraduates in the field; in other countries we use the local labor."

"But in every case the archeologists and geologists are constantly busy digging, keeping track of the artifacts, surveying and photographing the objects before they are removed."

Miss Keller, who stands four feet, eight inches, in her "digging boots," traces her interest in archeology to a seventh grade book report she did on a woman archeologist.

Before this time, however, she had become interested in drama, after playing one of the children in the "Tell Me A Story" radio program in Boston.

When she grew older, she did theatrical work in high school and college plays, and also became interested in dancing. While in college she danced with the Applin Civic Ballet, but found she didn't have the time to enjoy her dancing when she got to graduate school.

Miss Keller has been to several places in the United States on her field trips, but this year at Tech is her first venture into West Texas.

An attempt is being made to work up a Silver Anniversary Class directory of the members of the Class of 1939.

Listed below are the names of the members of the class that the Association has been unable to locate. Any information about these Ex-Students that anyone can supply to the Association office will be appreciated, according to Executive Director Wayne James.

Information should be mailed to Ex-Students Office, Box 4009, Texas Tech College, Lubbock, Texas.

SPRING 1939

1. John Camp Adams
2. William Kyle Adams
3. Fletcher Manson Allen
4. Alvah Charlene Alton
5. (Mrs. C. W. Walker)
6. Jessie Lou Alton
7. (Mrs. J. F. Guthrie)
8. Elizabeth McRea Bailey
9. Charles Obit Baker
10. David A. Banta
11. Alvanne Clements Barrier
12. Edna Fay Beaty
13. (Mrs. Floyd Allen Oaks)
14. Doris Louise Benz
15. Margaret Ann Benn
16. Donald Lee Benson
17. Wilbourn Eugene Benton
18. Mildred Bigler
19. Arnold D. Black
20. William Douglas Blanton
21. Lois Bledsoe
22. Glenoid Bowen
23. Melvin Douglas Boyd
24. William J. Bragg, Jr.
25. Monroe Buchanan
26. Ethel Mae Snelson Cain
27. Robert F. Cain
28. William Evelyn Carpenter
29. Peggy Sue Castle
30. Zeffie Mae Childress
31. Mary Beth Clark
32. (Mrs. Nelson)
33. Mary Clark
34. Wilma Jean Conrad
35. Nadene Adamson Cornelius
36. Wynell Paul Cox
37. Madgie Irene Crane
38. Louise Louise Crausby
39. (Mrs. Eugene F. Justus)
40. Exile Pauline Creekmore
41. Robert Adkin Dempsey
42. Robert Lee Dennis
43. Kay Ann Donahue
44. Doree Doucette
45. Wally Frances Douglas
46. Olga Ann Elliott
47. (Mrs. Roy M. Irwin)
48. Jean Fakala
49. (Mrs. James R. Blair, Jr.)
50. Yone Stone Farris
51. Elsie Feigenspan
52. Theodor Grace Fisher
53. Arthur James Foster
54. Faye Raniell Fraichiser
55. Anne Eron Gafford
56. Ione Gill
57. Charles H. Glibham
58. Earl Ross Gobbie
59. Wilmer Greene
60. Bernice Grundy
61. Sophie Alice Hardgrave
62. (Mrs. Jo W. Howze)
63. Melvone Jo Henderson
64. William Reeves Henly
65. Omar H. Herring
66. William Moore Hicks
67. Eloise Hill
68. Janie Opal Hill
69. Calvin D. Holcomb
70. William Henry Houston
71. Berry Orr Jacobson
72. Ann Lucid Johnson
73. Amye Pauline Jones
74. Merle Hayes Jones
75. Silas Jack Jones
76. Xesuxa Cokerham Keithly
77. James Anthony Kelley
78. Lillian Florine Kelley
79. Jeanette Kelly
80. Faith Knapp
81. Bette Crystelle Krauss
82. Morris C. Laine
83. Harold Maurer Lillard
84. Delilah Isabelle Manire
85. Johnnie Pearl Mantooth
86. Ruth Wheeler Marks
87. (Mrs. J. W. Adams)
88. Robert O. Marshall
89. Almon Maurice Martin
90. Lonnie Maxine Mullican
91. Ashford Benjamin Murphy
92. Pauline McCarty
93. (Mrs. Gaylord William Russell)
94. William Warren Nobles
95. Jerome Maurice O'Rear
96. Burnett Phillips
97. Joel Clyde Pierce
98. Ruth Poe
99. Kent Presson
100. Dorthol Ernestine Quarles
101. Decima Rampey
102. Leola Ramsey
103. May Della Ramsell
104. Virginia Ruth Robertson
105. Dener Aubrey Roe
106. Dorey D. Rogers
107. Martin Van Scheid
108. George Harold Schultz
109. Dorothy Jeanne Sharpless
110. (Mrs. Maurice O'Rear)
111. Kenneth William Sherr
112. Clyde Wilton Simmons
113. Virginia Lee Simmons
114. Loyce Dean Simmon
115. Eva May Slover
116. Alva Elmo Smith
117. Elvira Evelyn Smith
118. Lola Sheler Smith
119. Ruth Smith
120. Dorothy Louwille Snead
121. J. T. Strenly
122. James Hasser Strickland
123. Margaret Ruth Stuhalter
124. Natalie Cunningham Tany
125. Nellie Nichols Taylor
126. Gracie Fern Teague
127. Zell Terry
128. Anne Lorene Thomas
129. Edna Florence Thomas
130. Edward Cluff Tonn, Jr.
131. Larry Trnani
132. Mamie Francis Turner
133. Florence Ann Horne
134. Clinton Samuel Walker
135. Dorothy Jean Ware
136. Murrell Marie Ware
137. Helen Louise Weatherford
138. Erma Joy Weaver

AUGUST 1939

144. Fannie Mae Acker
145. Julia Elizabeth Austin
146. Lynn Bain
147. (Mrs. Jack Helms)
148. Neville James Baker
149. Nola Marie Batton
150. Mae Bennett
151. Donald Lee Benson
152. Willis Vernon Barney
153. Ruby Burns
154. Milton Hawks Butler
155. Mary Margaret Carter
156. Verlin Estelle Cooke
157. (Mrs. T. J. Wheeler)
158. Elma Tant Cummings
159. Lylee Peck Davis
160. Charley Davies
161. Nell Pauline Duff
162. Ruth Clements Dulin
163. Summy Lea Eaton
164. (Mrs. Yale E. Lordin)
165. George Smith Edwards
166. Evelyn Bess Fox
167. Vada May Frazier
168. Nina Short Gammill
169. Mary Ruth Gault
170. James L. Greenfield
171. Ruth Hall
172. Anna Mae Grissom Hamilton
173. Hattie Faye Harrell
174. Richard Clayburn Harrell
175. Georgia Juanita Hauk
176. Jessie Lee Hensley
177. John Paul Hill
178. Mattie Cora Hodge
179. Billie Eileen Holland
180. Connell Chalcote Houston
181. Johnny Byron Howell
182. Lois Howell
183. Wellborn Boynton Hudson, Jr.
184. Herbert Andrew Johnston
185. Ormonde Gerald Joiner
186. Hazel Gibson Jones
187. Lucile Donahoe Keen
188. Linnie Mae Keen
189. Lucille Mar Jeanyne Keeton
190. Aron Loy Kerby
191. Margaret Louise Kern
192. (Mrs. Hoskins)
193. John Robert Kilpatrick
194. Lois Kirkpatrick
195. Margaret Jane Knight
196. Ina Jewell Love
197. (Mrs. Elbert W. Jackson)
198. Harvey L. Lovell
199. Ruth Evelyn Mannan
200. Katherine Manning
201. Thomas Clifton Martin
202. Marie Scoggins Mathews
203. Gladys Maxwell
204. Johnny C. Murphy
205. Minnie Lee Britton McCormick
206. Lula LaVola McCulliston
207. Jessie Laverne Northam
208. Clytus Paris
209. Bertha Loraine Patrick
210. Mary Perkins
211. Cecil Maurer Pierce
212. Mary Nell Price
213. Jack Quinn
214. Travis Dickson Raliback
215. Artell Wicker Reasoner
216. Augustus Franklin Reese, Jr.
217. James Samsen
218. William Schofield
219. Gene Daniel Sken
220. Winnie Jane Sluder
221. James Alfred Smith
222. Lynn Alton Smithman
223. Georgia Lee Soules
224. Lois Mae Speer
225. Jack A. Spivey
226. Robert Leighton St. Clair
227. Rufus William Standerfer, Jr.
228. Ernie Novaty Stokes
229. James Russell Farnance
230. Nina Cammney Thompson
231. Catherine Ann Trossel
232. Mary Lou Tucker
233. Mable Shaffer Ware
234. William Edward Warenskjold, Jr.
235. Carl W. Wilson
236. Frank Pointz Wilson, Jr.
237. George Pinynt Winston
238. Gloria Valera Wien

AUGUST 1939 — MASTERS

236. Glenn Lee Allison
237. Lila Alred
238. William Dawson Biggers
239. Walter Cunningham
240. Walter C. Cunningham
241. Ellie Cutler
242. George Baldwin Gray
243. Joseph Reagan Griggs
244. Leslie M. Hayes
245. Johnie Morgan Hensley
246. John Wilford Jones
247. William Bernice Jones
248. Anne Cecilia McKee
249. Mildred Faye McGhee
250. Mary Maeline Magee
251. Annie Bel Murrell
252. Ninetta Kimball Parker
253. Carl Edward Pommerening
254. Nellie Jane Saver
255. Raymond S. Weaver
256. Robert Knight Williams
257. Mildred Wilson
258. Frances Elizabeth Young

2 Beauties Win Titles

Two Texas Tech beauties—both natives of the state, freshmen and “decidedly outdoors” types — captivated 600 persons recently when they vied for and won featured positions in the 1964 college yearbook.

The title of “Miss Mademoiselle” was awarded to Beth Ann Gibson, 19-year-old elementary education major from Vernon. Winner of “Miss Playmate” was Vicky Ann Dickenson, 18-year-old liberal arts major from Colorado Springs Colo., but born near Fort Worth.

Both of the tall coeds will be featured in the 1964 La Ventana. They competed against the fairest the Southwest Conference school had to offer in the ballroom of the Tech Union.

Miss Dickenson, a 5-feet-6-inch brunette, also was among the ten finalists for the Miss Mademoiselle title. Twenty-seven girls—all from Texas except for Miss Dickenson—competed for the latter crown.

The two winners, who will portray Texas Tech beauty for the next year, are remarkably similar in several ways. Both expressed delight in outdoor recreational activities, are tall, stately representatives of collegiate loveliness and view women's role in modern society as more than a “keeper of the kids.”

Asked if the annual Miss Mademoiselle contest should include more than just beauty competition, Miss Gibson felt inclusion of a “scholarly approach” was unwarranted.

“You can be well rounded without being intellectual,” she decided.

Woman's Role Opinion

The charming daughter of a Vernon oilfield contractor has her definite opinion on the woman's place in modern living, too. “I don't think it's all in the home,” she said. “I think the husband expects you to take part (in other activities).”

In “Miss Playmate” the judges selected a champion horsewoman who currently holds a Rocky Mountain Quarterhorse championship for the second year in a row.

Miss Dickenson, whose parents live on a ranch near Colorado Springs, won the association's barrel racing championship in 1961 and the pole bending title in 1962 and 1963.

She hopes to compete in this area when the collegiate rodeo season arrives, that is if her father approves. “He said I had to make my grades first,” she revealed. He hasn't allowed her to bring her horse to Lubbock yet.

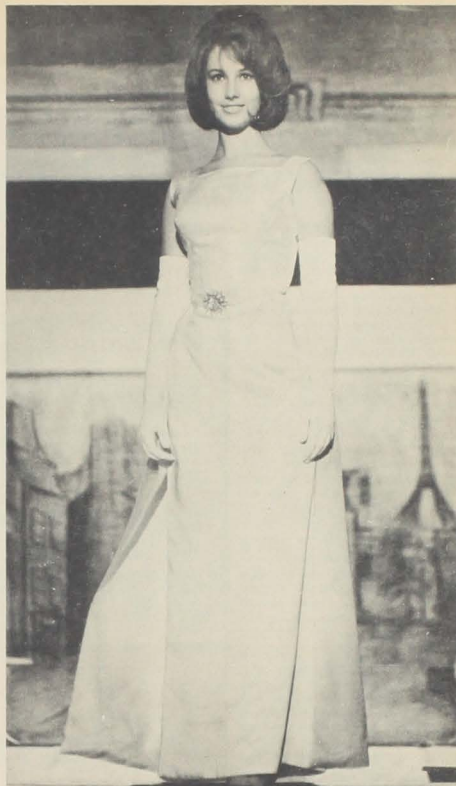
Her opinion on the modern woman's role:

“I feel it's up to the individual,” she said. “Every woman has to find her own place.”

Miss Gibson was sponsored in the competition by Chi Omega and Miss Dickenson by Pi Kappa Alpha fraternity.

Miss Mademoiselle will be featured on the color cover of the Mademoiselle section of the yearbook. Miss Playmate is featured in the color fold-out in the center of the Playbook section.

Other finalists in the Mademoiselle race were Caryn Clark, Throckmorton sophomore; Mary Ann Dickworth, Lubbock sophomore; Sharon J. Hill, Hereford sophomore; Lucia Ann Lawrence, Vernon freshman; Mary Talbot Marshall, Quanah freshman; Dana Sharill Speer, Olton freshman; Sondra Sue Stargel, Memphis sophomore; and Michelle Stephens, Port Arthur sophomore.



Vicky Ann Dickenson, “Miss Playmate”



Beth Ann Gibson, “Miss Mademoiselle”

Issue Settled

Board Votes For Texas Tech Univ.

Texas Tech's Board of Directors, swiftly and unexpectedly, Saturday, February 15, voted unanimously to recommend to the next session of the Legislature that the school's name be changed to “Texas Tech University.”

The action came at the end of the regular Board meeting. It was not on the printed agenda.

There is no assurance that the Legislature, which meets next January, will go along with the recommendation, but in the past the name change wishes of board members of state-supported schools have been followed.

The name change motion was made by one of the three Ex-Students serving on the Board of Directors, Al Allison of Levelland. It was seconded by Charles Matthews of Dallas.

Chairman Manuel DeBusk called for an immediate vote. There were no “Nos.”

The name change issue has been a heated issue during recent years. It grew especially hot last December when the Board had an open hearing for all interested groups to express their views.

The Faculty Advisory Committee was on record in favor of Texas State University. The Student Body also favored Texas State University in a campus-wide election last fall. Both groups were opposed to the word Tech in a name, also containing University, because of what some described as a misuse of words.

For several years the Ex-Students Association has been on record in favor of Texas Tech University.

The recommendation being made by the College Board of Directors to the Legislature is like that of the Ex-Students Association with Tech being a word and not an abbreviation for Technological or Technical.

In commenting on the action taken by the Board, Manuel DeBusk, Chairman of the Board of Directors, states: “The Board's decision has now been made. We believe it to be in the best interest of our school. Let us now turn to other matters and work together for Texas Tech University.”

In other business Board Members were told that a two-man committee from Texas Commission on Higher Education will visit the Campus this month in regard to a law school.

Board Members directed the Administration to “prepare a plan for the development of a School of Pharmacy at the next meeting.”

The Board authorized construction of an addition to the infirmary at a cost of \$71,000. The addition would make way for an additional 14 beds for the infirmary.

Directors also went on record as favoring a trade with West Texas Museum at a future trade. Under the proposal the College would acquire the present Museum building and it in turn would be housed in another location to allow room for growth and expansion.

W. H. Butterfield, Vice President for Development, reported that gifts during 1963 to the Tech Foundation amounted to \$748,591.80. Gifts to the Foundation from 1959 to date have been valued at \$2,763,258.49.

Ex-Student Officers

EXECUTIVE BOARD

Term Expires 1964

Floyd Read '48, Lubbock	President
Frank Calhoun '56, Abilene	First Vice President
Don Anderson '48, Crosbyton	Second Vice President
G. C. “Mule” Dowell '35, Lubbock	Athletic Council Representative
Earl Fuson '32, Dallas	Immediate Past President

DIRECTORS

Term Expires 1964

Rob Brown '58	Throckmorton
P. A. Lyons, Jr. '42	Spearman
Julian Simpson '49	Midland

Term Expires 1965

Donnell Echols '59	Lamesa
Bill Bales '55	Tyler
A. J. Kemp '42	Dimmitt

Term Expires 1966

David Casey '54	Lubbock
Ken Dowell '44	Dallas
Pat Thurman '50	Austin

LOYALTY FUND TRUSTEES

Term Expires 1964

Andy Behrends '51	Amarillo
R. C. Mitchell '37	Lockney
Paul Haskins '48	Midland

Term Expires 1965

Kenneth Reast '45	Littlefield
Marshall Phare '54	Andrews
D. N. Pope '50	Oklahoma City, Okla.

Term Expires 1966

Cliff Cummings '54	Lubbock
Joe Allbright '42	Andrews
Jack Maddox '29	Hobbs, N. M.

CHAPTER PRESIDENTS

Amarillo	Dick Brooks, '54	Odenia	Bobby Hawkins, '56
Andrews	Roy Buckner, '51	Pampa	Ed Konx, '57
Arlington	Dr. Gene Hardy, '37	Trans-Pecos	Fred Gibson, '49
Austin	John Nixon, '50	Tri-County	Eric Rushing, '40
Big Spring	W. D. Broughton, '53	Vernon	Orlin Brewer, '49
Crosby County	Ed Smith, '49	Albuquerque, N.M.	M.G. Young, '50
Dallas	John Latham, '51	Denver, Colo.	Bill Leasure, '54
El Paso	Dale Gary, '55	New Orleans, La.	Jay Maltby, '53
East Texas	Chas. Rainwater, '58	Pecos Valley	Kent Shannon, '57
Floydale	Sammy Hale, '52	Tulsa, Okla.	Jerry Russell, '55
Fort Worth	Harry Scaling, '55	Okla. City, Okla.	Richard Ligon, '58
Hale County	J. N. Marks, '55	Bartlesville, Okla.	W. E. Reno, '56
Houston	Elmer E. Folk, '46	Bakersville, Calif.	Mrs. Pat Ridge, '55
Midland	Lewis Crosby, '55	Southern States	C. W. Cook, '59
North Texas	Arl Rogers, '45	Four Corners	Leslie Neal, '52

EDITOR

Wayne James	New Deal
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MANAGING EDITOR

Ralph Sellmeyer	Lubbock
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- For Ex-Students -

Tour of Europe Interest High!

Enthusiasm for the Texas Tech Ex-Students Tour of Europe for 1964 is building with each day preceding the grand trip to the Continent and Great Britain.

The group of Ex-Students and their immediate families will leave from New York, June 8, to visit six major countries before their return June 29, a trip of 22 days, accompanied the entire trip by an English-speaking escort.

As a service of the Ex-Student Association and at no cost to that group, the tour has been arranged by World Wide Travel Service of Lubbock in cooperation with Lufthansa German Airlines and Trans World Airlines (TWA).

"Feelers" have gone out to some 6,000 ex-students who will with families, be eligible for the trip at the reduced excursion rates. Regularly-scheduled Boeing 707 Jets will carry the group from New York to Cologne, Germany and will bring them back to New York from Frankfurt. Regularly scheduled airlines will be used within Europe and to London. "Response to the inquiries have been good and a fine group is expected to pack their bags and join in on the fun", Floyd Read, president of the Ex-Students Association, has said.

Visited will be the countries of Germany, Switzerland, Italy, France, England, and Holland. The price of the trip per person, from Dallas and return which includes the round trip to and from Dallas to New York, is \$1095 per person.

The group will depart from John Kennedy (Idlewild) Airport in New York on the evening of June 8, on Lufthansa, bound for Cologne. Here a short connection is made and the first stop is Berlin (See story in right column on details of Berlin visit).

Leaving Berlin and its exciting East Wall, the party will fly to Munich, then to Zurich, Switzerland's largest and busiest city, located on Lake Zurich. Next stop is Lucerne, on the Lake where an excursion up Mt. Pilatus is scheduled. On the group goes through the Italian lake country, visiting Lake Lugano and Lake Como, ending the day in Milan.

Venice is next for the so-journers, with its many gondolas and 150 canals. Sightseeing is scheduled in every city and Venice is not left out. Nor is the next visit to Florence where one views the Michelangelo, the Leonardo da Vinci and other works of art. From Florence the party moves on to Rome by the way of St. Francis' burial place and home in Assisi. Rome will be a delight (see third column for details) while many will compare it to the wonders of the French Capital, Paris, next on the itinerary. Here in the morning hours the group has a comprehensive tour of the capital, visiting the Rue de Rivoli, Place Vendôme, the fashionable Rue de la Paix, the Opera House, Place de la Concorde, the Arch of Triumph, pass the Palais de Chaillot and see the Eiffel Tower. The group will have time for leisure, too, for shopping and always time for a spot of coffee at a side street outdoor cafe. Versailles is to be on the schedule, passing along by the River Seine and its many wonders.

On the party flies to England, to London for a fine visit to the center of the British Empire. Visitors will tour the city and see St. James' Palace, Buckingham Palace where the Ceremonial Changing of the Guard is staged when the Queen is in residence. Other spots to look for on the tour will be drives along the Thames River, the visit to Big Ben to Westminster Abbey and of course, 10 Downing Street.

Amsterdam, the "Venice of Holland" is next on the tour with its wonderful tulips and unique housing.

Now the tour leaves for Cologne, the "Cathedral City" and on to Bonn, capital of Germany where the party boards the Rhine Steamer for a trip up the Rhine to Wiesbaden.

From Wiesbaden the group moves on to Frankfurt where it boards TWA for the flight home.

It's a trip you'll never forget, one you just can't miss!

All About the 1964 Tour of Europe

* Tour cost, from Dallas and return to Dallas is \$1095 per person.

* Leave New York, 9:00 p.m. June 8, Lufthansa German Airlines, Boeing Jet 707, Tourist; arrive Cologne, 9:20 a.m.

* Return New York, June 29, leaving Frankfurt, 1:30 p.m. TWA Boeing Jet 707, Tourist, arrive 5:00 p.m.

* 22 days, New York to New York

* First Class Hotels with bath and twin beds in all cities.

* English-speaking Escort with the group on entire trip.

* Regularly-schedule European airlines, Tourist Class, used within Europe.

* First Class Motor Coach with stewardess and rest room facilities on short trips.

* All entrance fees to places visited on regular sightseeing and excursions are included in price.

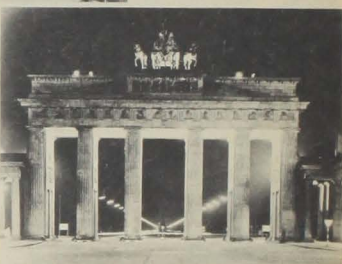
* The itinerary includes ample free time for shopping, photography and the like.

* Reservations may be made at The Texas Tech Ex-Students Association office in the Student Union Building or by mail, Box 4009, to this address. An initial deposit of \$75 per person is required for registration. In event that a passenger must cancel his tour reservation six weeks prior to departure date of the tour, the part-payment will be refunded in full. If the passenger cancels his tour reservation less than six weeks prior to departure date of the tour, the part-payment will be refunded in full less any cancellation fees assessed by the airline, hotels or contractors. Full payment is due and payable on May 1, 1964.

* An optional New York Fair "package" of hotel accommodations, tickets and transportation to the World's Fair, upon return, is available from \$26.95 per person for two nights and three days, and up.

* An extended tour of other European Countries will be made available.

* Hemphill-Wells charge accounts may be used by passengers.



SCENES ON THE EX-STUDENTS TOUR OF EUROPE—These photographs show four famous areas of Europe which are a "must" for everyone going on the Ex-Students tour. They are included in the 22-day trip this June. Top picture to the left is Cathedral of Notre Dame in Paris, on the river's edge of the Seine. Middle top is the famous Eiffel Tower in Paris while upper right shows London's Piccadilly Circus, similar to New York's Times Square. Lower left is a view of Tiber River in Rome with St. Peter's in the background and Castle Sant' Angelo. Lower right is East Berlin's Brandenburg Gate viewed from the West Germany side.

Make Rome the Time for Shopping on 1964 Tour

Italian styles and fashions are now highly popular throughout the world and all Ex-Student tour members will have the opportunity of shopping or simply browsing on the chic and not so chic streets of Rome.

Taste, individuality and fine workmanship are the keywords of the best Italian products. Wallets, pocketbooks, gloves, shoes, lingerie, made to order suits, dresses, coats and men's hats are all Italian specialties.

The principal shopping center in Rome is between Piazza di Spagna and Via del Tritone, especially on Via Sistina, Via Condotti, Via Frattina, Via del Corso and Via del Babuino. The Via del Babuino is famous for antique shops, but prices are not low. Religious articles may be purchased on Via della Conciliazione, the wide avenue approaching St. Peter's Basilica. When you see shops displaying the sign "prezzo fisso" it means that prices are fixed and attendants will not bargain.

The Italian people are among the friendliest in the world, and any time you see a crowd collecting, chances are you will find at the center a tourist wanting direction to some place.

Things You Should Know About the Tour of Europe

Your flight to Europe and return will be made on Boeing Intercontinental 707 Jets while within Europe, regularly-scheduled—major airlines will be used on long distances.

An English-speaking escort will accompany the Ex-Students group the entire 22-day trip.

In each city sight seeing tours are scheduled, with English-speaking guides. Major points will be visited.

There will be time for shopping! It is a good practice to mail home as many parcels as possible. These can be sent, duty-free, by labeling them as possessing a gift value under \$10.

Passports and smallpox vaccination certificates will be required of all members of the Ex-Students party. One passport will suffice for husband and wife, provided they are photographed together and travel together. Application may be made at your local federal building. Local physicians can administer smallpox immunization.

Visit Behind East Wall In Berlin Is Feature

One of the most attractive features of the Ex-Students Tour of Europe for 1964 is the visit behind the East Wall in East Germany, in Berlin.

Berlin is the first stop for the group. The first morning will be spent in acquainting the group with West Berlin. The next day the trip behind the Wall will be taken.

On the East Side of the Wall see the rubble and ruin of the glorious old Berlin buildings, the Chancellory in Wilhelm Square, the Reichstag, House of Parliament, the Imperial Castle, Hitler's shelter in the Chancellory and the bunker where he died.

Marvel at the contrast between the colorful gaiety of West Berlin and the drab and meager existence of the people behind the Iron Curtain. Then view the tremendous but ugly Russian memorial to their dead in the battle of Berlin.

Theaters, operas, nightclubs and museums have come alive again in West Germany and the former German capital has, in large part, recaptured the vitality that made it in the past one of the most interesting cities in the world.

Clip This Coupon and Mail Today

To: Tour Director, Ex-Students Association
Texas Technological College
Box 4009
Lubbock, Texas

Name _____

Address _____

Telephone _____

I am interested in the 1964 Tour of Europe.

() Please send Tour folder with all details.

() There will be _____ in my party.

() I am interested in an extension trip in Europe.

() I am interested in staying over in New York for the World's Fair and need information.

() I am interested in using a charge account at Hemphill-Wells Co.

Tech Day Set April 25

Continue CLASP Drive

The College Loyalty Alumni Support Program continues to stimulate support of Texas Tech in every area attempted. CLASP officials have announced. This spring Tech is participating in five CLASP programs — Amarillo, Austin, Dallas, Lubbock and Tyler.

CLASP is a cooperative effort by local alumni of colleges and universities joining forces to strengthen higher education in Texas and the Southwest and at the same time assisting their respective alma maters. At Texas Tech, CLASP is part of the annual fund drive for the Loyalty Fund.

Tech finished fourth with 55.5 per cent of the Amarillo exes making contributions totaling \$2,363 during the CLASP drive there. Travis Aaron '51 served as Tech's chairman for Amarillo's second CLASP campaign which kicked off with a dinner on March 9. Andy Behrends '51 was co-chairman. C. I. "Stoney" Wall, former member of the Tech Board of Directors, served as general chairman for Amarillo CLASP.

Amarillo exes who worked for Tech during the campaign include Carl Benson, Dick Brooks, Irl Brown, T. M. Cox, Jr., Pat Cunningham, Larry Daniel, James Denton, T. G. Hewlett, James Hill, Roy Holmes, Joe Mosely, Walter Nichols, Jon Oden, Ron Still, C. L. Swain, and Andy Willingham.

Twenty-nine per cent of the Lubbock exes made contributions to the Texas Tech Loyalty Fund during the two week drive, Feb. 10-25. Because of the large number of exes in Lubbock, many of the workers are still contacting exes.

Lubbock CLASP was kicked-off with a dinner on Feb. 10. Dr. Clifford B. Jones, former Tech president and board of director's member, served as general chairman. Tech's chairman, Curtis Sterling '50, was assisted by the following persons: Dr. William Pearce '34, Tech staff and faculty chairman; Ralph Krebs '43, Century Club chairman; Hurley Carpenter '28, chairman classes 29-46; and J. C. Chambers '54, chairman classes 47-60.

Other Lubbock CLASP chairmen and workers are Dr. Wayland Bennett, Dr. Mina Lamb, Haskell Taylor, Dr. S. M. Kennedy, Dr. Ivan Little, Robert Newell, Culver Hill, Dorothy Rylander, Mrs. Earl Hobbs, D. E. Smith, Milton R. Greer, Arch Lamb, Garland Nystel, Mrs. Leonard Latch, Mrs. P. A. Williams, Gene Alderson, Mr. and Mrs. Artie Hicks, Watson Carlock, Winston Robertson, Robert Schuster, Norman Igo, Mrs. Roger Kuykendall, Mr. and Mrs. Dexy Sudduth, and Mr. and Mrs. J. W. Smith.

Other workers are Mr. and Mrs. Clarence Tillery, Charles Joplin, Carl Minor, Ed Elliott, Bill Abell, Nolan Swain, Leon Davidson, Dean Redus, Don Brice, Joe Jack Reynolds, Roy Middleton, Bill Waddle, Mr. and Mrs. Melvin Deardorff, Mrs. Bryce Campbell, Jerrell Snodgrass, Bob Ford, Monte Hasie, Mrs. Henry Austin, Harry Shaw, Mrs. Robert Snyder, Lester Grimes, Mrs. Bill Clark, George

(Continued on Page 4)

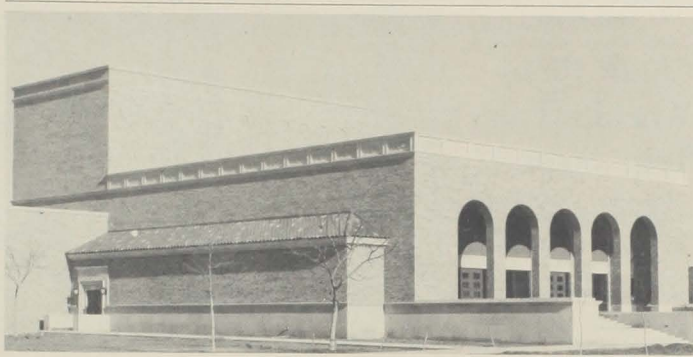


TEX TALKS

Published by Texas Tech Ex-Students Association

APRIL, 1964

VOL. XV, NO. 2



Speech Building

University Theater Dedicated April 19

The long-awaited dream of the Texas Tech speech department, the beautiful new University Theater, was officially opened and dedicated April 19.

A round of activities that weekend celebrated the opening, including an open house in the Theater, which is considered a "showcase" among college theater facilities. It is located south of the new library on the Tech campus.

The formal ceremony opening featured an address by John Rosenfield, fine arts critic of the Dallas Morning News.

The first performance in the new Theater was the speech

department's 75th major production, "Romeo and Juliet," celebrating the 400th anniversary of William Shakespeare. Directed by Ronald Schulz, the play was presented April 17, 18, 20, 21 and 22.

Described as one of the finest facilities of its kind in the Southwest, the University Theater is fully air-conditioned and seats 400 persons. A distinctive feature, rarely found in American theaters, is the continental seating plan which eliminates the need for center aisles.

The auditorium has a wide, fan shape, making it possible to

seat all spectators within 50 feet, or 13 rows, of the commodious stage. The intimate arrangement features wide, comfortable upholstered seats, identical in design to those in the Lincoln Center in New York City.

The auditorium will be fully carpeted for attractiveness, comfort and acoustical efficiency. Designed for flexibility of production style, the complete-

(Continued on Page 3)

Chapter Activity Planned

Plans are rapidly shaping up for one of the most successful Texas Tech Days in history, according to Wayne James, executive director of the Texas Tech Ex-Students Association.

The tenth Annual Texas Tech Day has been set for Saturday, April 25, and a number of chapters and groups had announced their plans for observance of the day at press time.

Texas Tech Day is a world-wide observance, its purpose being to bring Exes and other friends of the College together for the common enjoyment of the traditions and heritage of Texas Technological College, James said.

On this particular day all local chapters and Exes are encouraged to meet simultaneously in their respective communities. In cities and areas where no Ex-Student chapters exist, former students are requested to meet together.

Those Ex-Students interested in organizing a meeting or chapter are requested to contact the Ex-Students Association for additional information and help.

A number of groups have announced that they will meet on a day other than April 25 due to the availability of programs or local facilities.

Exes living in the area where the chapter activities are not announced in "Tex Talks" are requested to contact the chapter president listed below:

Amarillo—Robert Carnahan, 5203 Alvarado, Amarillo, Texas
Abilene—Fred Schultz, 298 Elm Cove, Abilene, Texas

Andrews—Roy Buckner, 102 N.W. 10th, Andrews, Texas

Arlington—Dr. Gene Hardy,

(Continued on Page 3)

Grad School Needs Higher Enrollment

Despite a record enrollment of more than 12,000 student, causing crowded classrooms and teachers working overtime, Tech's Graduate School is looking for more students.

According to the institutional self-study report to the Commission on Colleges of the Southern Association, graduate enrollment does not come up to the average. Only 926, seven per cent, of the total enrollment are in Graduate School.

The first step to enrolling in graduate school is to get by Tech's system of dual admission. Permission for general admission to Graduate School from the director of admissions and from the dean of Graduate School is necessary.

The major needs for admission are a 2.5 overall grade average, aptitude scores on the Graduate Records Exam, transcripts and time.

To obtain general admission, it is necessary to submit a transcript and application blank to

the director of admissions. As soon as this hurdle is cleared, the next step is the graduate records exam. The College Testing Service offers this test three times a year. Applications must be made well in advance of the testing date.

The aptitude test is an objective examination requiring three hours and a seven dollar fee. The test may be taken over but the first score is the one which counts, according to Dr. Fred Rigby, dean of graduate school.

With the graduate records exam scores and a transcript, a second admission to Graduate School called "Admission to a graduate degree program" is the next step. This is dependent upon grades, the aptitude score of the graduate records exam and approval from the head of the proposed major department.

The tests are scored in Princeton, N. J., which takes a month, and the graduate office requires 30 to 60 days for examination of applications.

RETURN REQUESTED

EX-STUDENT ASSOCIATION
Texas Technological College
Lubbock, Texas

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U. S. POSTAGE
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Permit No. 266
Lubbock, Texas

Board OK's \$17 Million New Budget

Texas Tech's board of directors met April 11 and approved a record budget of \$17,646,058.27 for the 12-month fiscal year beginning Sept. 1 and at the same time propelled the school into an eight-year academic development program which could have "drastic" effects on the institution.

The budget figure is \$2.4 million above the school's expected expenditures during the current fiscal year.

In announcing the development program, Manuel DeBusk, Dallas board chairman, said "The impact of this day will not be fully recognized or felt for some years."

Implemented to the fullest potential, the program could mean a truly giant step in Tech's academic development and would be one of the most important actions on that level since Tech opened its doors.

"Forerunner" of what the program might mean, directors moved swiftly to:

1. Make a formal request to the Texas Commission on Higher Education for a School of Pharmacy at Tech;
2. Heard a report that the Commission on Higher Education will give consideration on April 13 to the proposal of a Law School;
3. Approved seeking permission for a new Bachelor of Science Degree with a major in a mechanized agriculture;
4. Voted to award a honorary Doctor of Science degree to George W. Pfeifferberger of Lubbock, executive vice president of the Plains Cotton Growers, Inc.

The budget provides for \$9,850,218.17 for educational and general expenses, including teaching salaries — and \$7,583,718 for auxiliary enterprises. Other money goes into restricted fund category, agency funds and the Museum.

The formal directive on the academic program stated: "Board of Directors hereby authorizes and directs the Administration to prepare, for submission to the Board of Directors, a plan for the overall academic development for the next eight years."

"This proposal is to include the introduction of new programs, degrees in schools which



Gene Kenney

Choir Plans World's Fair Trip Soon

World's Fair goes will have an opportunity to hear the Texas Tech choir next month if they happen to be visiting there on Texas Day, May 31.

No stranger to the New York area, the group, directed by Gene Kenney, has appeared on the Ed Sullivan television show and their reputation is widely-known in highest musical circles.

Negotiations are also underway for a Washington, D.C., engagement during the trip east. The choir recently conducted a concert in the Student Union to raise funds toward defraying expenses for the World's Fair trip.

may be appropriate of the fulfillment of the plan."

Included in the program, apparently, would be plans for obtaining a medical school, a dental school for further advances in the field of science and engineering, and many, many other areas. Directors were unanimous in their feeling that "this is merely the beginning."

The Board passed a resolution stating: "The Board of Directors, based upon current trends, geographical considerations and a philosophy of higher education, hereby declares that this educational institution can and will best serve the future by becoming a multi-posed state university of the first class — a center of learning — which provides and will continue to provide the opportunity for a liberal education for all students in professional training at the graduate and undergraduate level."

Record Enrollment Set

A record breaking 11,293 students enrolled during the three days of registration for the opening of the 1964 spring semester.

The unofficial total dropped from 12,000-plus enrollment that put Texas Tech third among state supported schools last fall, but still jumped over the 10,638 students registered for the spring term last year.

Official count for state supported institutions of higher education was made on the 12th class day, Feb. 13, according to Don Renner, assistant registrar.

Breakdown in the figures released recently by Floyd Boze, registrar, shows men still outnumbering women and the School of Arts and Sciences topping the enrollment of the other schools by more than 2,300 students.

Enrollment for the School of Arts and Sciences was reported at 4,718 with 2,157 men and 2,561 women on the final day of registration.

The School of Business Administration came closest to competing with the Arts and Sciences with a 2,407 tally. Men outnumbered the women 2,013 to 394. Following in enrollment is the School of Engineering with 1,763 students, composed of 1,699 men and 64 women.

The School of Agriculture drew 945 students this semester—903 men and 42 women for a new record, while the Graduate School enrolled a total of 852, including 518 men and 294 women.

Home Economics registered 608 students, with only four of them men.

Red Raider Mascot

Tech Beauty Dead

Tech Beauty, the shining black Texas Tech mascot with the white socks on the back feet died at 4 a.m. Monday, April 14.

The 10-year-old mare, due to foal in early May, became ill Sunday afternoon. Douglas "Nubbin" Hollar, Tech's Red Raider and keeper of the mascot, checked the horse at noon Sunday as she grazed in a wheat pasture and she appeared well at that time, he said. However, a 5 p.m. check revealed something amiss and the mare was taken to her stable where Hollar and Dr. Fred Harbaugh, Tech veterinarian, stayed with her throughout the night.

Dr. Harbaugh said Monday after a post mortem the mare died of a colic caused by an unknown virus. He said no cure for the infection is known.

Tech Beauty was born June 24, 1954, and has been the official Tech mascot since 1957. She last was ridden in the ABC Rodeo parade on March 18, Hollar said.

Hollar is a sophomore animal husbandry student from Guthrie.



Tech Beauty and Red Raider

Professor Uses A Boeing 707 As His Flying Laboratory

With a flying laboratory for his workshop and the nation's prospective astronauts as his "guinea pigs," a Texas Tech researcher has conducted scientific experiments on the phenomena of weightlessness.

Dr. Vincent Luchsinger, who specializes in industrial psychology, and is assistant professor of management at Tech, was part of a team of psychologists, medical doctors, engineers and anthropologists conducting the experiments at Wright-Patterson Air Force Base, Ohio.

The group studied the effects of weightlessness on man, under the direction of the Human Engineering Division of the Behavioral Sciences Laboratory at the base's Aeronautical Systems Division.

Since actual weightlessness cannot be stimulated on the ground, the only way it could be achieved was in a Boeing 707 jet aircraft, flying an unusual maneuver known as the Keplerian arc, to provide up to a minute of actual weightlessness for the research purposes.

Another interesting facet of the experiment was that those being studied and those doing the studying were all in the same condition — entirely weightless—during the research periods.

The purpose was to provide for walking and crawling efforts under varying conditions of weightlessness. The physiologist was to study changes in body reaction under the varying gravity factors. The engineer, working under a cooperative program with nearby universities, studied the stresses involved in walking and crawling forces.

Overall, the program was designed to tailor the performance requirements to the man. Everything that could be researched on the ground without actual weightlessness was done, to facilitate the real tests and to conserve time.

Dr. Luchsinger's contribution was in time and motion studies of walking and crawling efforts in simulated environments. The



Vince Luchsinger

unusual setting of the studies caused him to comment, "I've seen the Buck Rogers comic strip come true!"

And what it is like to be weightless?

Dr. Luchsinger describes it as kind of "euphoria," a sense of well-being and buoyancy. Many persons became addled and disoriented rather easily. There were marked differences in abilities of individuals and some experienced motion sickness.

"Some bodies just couldn't take weightlessness, because of inner ear problems that affect balance or an inability to overcome motion sickness," Dr. Luchsinger said.

"Actually, adjusting to weightlessness is a learning process," he added. "Those adapting best had good physical condition in general, mental and physical flexibility, good coordination and reflexes, and keenness or perception."

Dr. Luchsinger pointed out that there were many problems not yet overcome. After long periods of weightlessness, one can hardly walk when back on the ground.

Related to this, another big problem is exercise. The muscles aren't working when one is weightless, so they grow lax. Scientists are working on some suitable exercises, such as iso-

metric contraction, so that the astronauts can work their muscles against some resistance.

Judging distances and judging time is another difficulty for the man under weightless conditions. Dr. Luchsinger believes that time probably passes more slowly under these circumstances.

Working in the cabin and maintaining the craft pose another problem for the traveling astronaut, since tools, nails, screws, etc., are also weightless, and must be secured at all times. If a man "puts down" his screw driver or some other tool, he quickly finds that it is floating around in space.

For this reason, eating is also a problem, compounded by the fact that there must be a clean, dust-free atmosphere within the cabin. Even a crumb could do untold damage to the delicate electronics systems.

The results of Dr. Luchsinger's research indicate that one cannot walk or crawl during weightlessness, and that moving from one place to another is extremely difficult.

Magnetic shoes and other devices have proved to be impractical. "Free-floating" and soaring are more efficient, but dangerous, because the individual has no way of slowing himself down.

Due to the lack of gravity and friction, he does not stop until he hits another object; and he strikes it with the same impetus he used in pushing off. Researchers are working on a power reel to propel the astronaut with harnesses.

At Tech Dr. Luchsinger has been freshman advisor in the School of Business Administration and helped to set up the four-year business honors program, for the 1961 freshman class. He is now advisor for the honors program.

Next summer, Dr. Luchsinger will return to Wright-Patterson to continue the studies on weightlessness and the many problems relating to man's functioning efficiently in outer space.

Grades, Grades Everywhere But Nary An 'A' For Me

By MIKE READ

It is now too late to "flunk early and avoid the rush," the rush is on.

All through the semester the continual battle for grades has been fought—and often lost. It appears that the faculty still maintains possession of most of the grade-point treasure.

The English major frequently turns to poetry at this time of year and produces the familiar lament:

Grades, grades, everywhere,
And all the points do flee;
Grades, grades, everywhere
Nor any "A" for me.

The math major returns to simple mathematics and discovers that:

$$(17 + 4 + 13 + 21 + 6) = 61$$

$$61/5 = 12$$

$$12 = F$$

Grades are mathematically computed in practically all cases, but the math major is not the only one who can discover his own low-grade disaster. In physics—home of the original curved curve—the picture is somewhat different, and more complicated, than in mathematics. According to The Third Law of Curving:

$$(17 + 4 + 13 + 21 + 6) \frac{1}{2} = (61) \frac{1}{2}$$

$$18\frac{1}{2} (61 \frac{1}{2} / 1^{\frac{1}{2}} + 4^{\frac{1}{2}} + 51) = ?$$

$$? = C$$

Over in the engineering school, I discovered a senior in the process of determining his present grade. Sneering at simple mathematics, he was utilizing every skill at his command to average his pitiful handful of points. If polar graphing wouldn't produce the answer, maybe logarithmic graphing would hold the key. His charts were truly works of great beauty. Turning his slide rule, it took him only two hours to discover that he might barely have a "D".

SORTA SMALL?

One budding biologist announced the astounding discovery that his grades were more microscopic than a mitochondrion—whatever that is.

The dismal scenes in the sciences were beginning to become depressing, so a search was made in other fields. The picture was still dark. Pity must be shown for the poor student of German who learned that a daily "Ich weiss nicht" translates into a semester-wide "Ich weiss überhaupt nichts"—which is either a "D" or "F" if the instructor is in a generous mood.

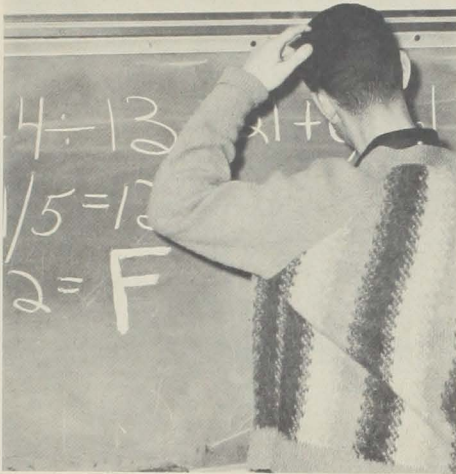
A neophyte philosopher expounded on Aristotle and Descartes for an hour and concluded that "in all probability, there is perhaps not too much evidence to support any amount of unrestrained optimism" about his grade.

An education major—poor soul—was forced to admit that, even in education, he was commencing to discern that his "antecedent experiential environment had in no way prepared him for the rigors of adding to his cognitive attitudinal value system." I'm not sure, but I think he meant that he was flunking.

It is rumored that one student discovered that a computer can be programmed—and in only three weeks—to verify in 1.003 seconds that he had an "F" in all but one of his courses.

SHAKESPEARE NO HELP

A drama major proposed that "To fail, or to fail—that is the question." He then answered in the affirmative — "to fail."



FIGURES AND FRUSTRATION—No matter what pains this Tech student takes in calculating his final average, he always seems to come up with "F" for an answer. Unfortunately, many other students are having the same difficulty this time of year.

—Staff Photo

Khayyam wrote:

**The Worldly Hope men set
their Hearts upon**

**Turns Ashes—or is prospers;
And anon,**

**Like Snow upon the Desert's
dusty Face,**

**Lighting a little hour or two
—is gone.**

I had my heart set on the

Dean's Honor Roll, and the dream has turned to ashes. My one ambition in life is an "A" in a government course under a particular instructor, and I am often comforted by his kind words; you may be comforted too after 15 weeks of 45-hour days and 45-point grades.

"This, too, will pass—though you may not."

Still Time To Sign Up For European Trip

Enthusiasm for the Texas Tech Ex-Students Tour of Europe for 1964 is building with each day preceding the great trip to the Continent and Great Britain.

Already a substantial group of Ex-Students and their immediate families have made deposits for the trip.

The group will leave from New York June 8 to visit six major countries before returning June 29, a trip of 22 days. An English speaking escort will accompany them the entire trip.

As a service of the Ex-Student Association and at no cost to that group, the tour has been arranged by World Wide Travel Service of Lubbock in cooperation with Lufthansa German Airlines and Trans World Airlines (TWA) and Braniff.

Germany, Switzerland, Italy, France, England, and Holland will be visited. The price of the trip per person, from Dallas and return which includes the round trip to and from Dallas to New York, is \$1095 per person.

One of the many highlights of the trip will be a visit behind the East Wall in East Berlin.

Reservations have been made in first class hotels with baths for each room in all cities. All air transportation, first class hotels, transfers by limousine or motorcoach, escort services, meals (except one each day), sightseeing fees and tips, taxes and baggage gratuities are included.

An optional New York World Fair "package" of hotel accom-

modation, tickets and transportation to the World's Fair is available for \$26.95 per person for two nights and three days is available in the return trip.

Ex-Students interested in making the trip should immediately contact the Tour Director, Ex-Students Association, Texas Tech College, Box 4009, Lubbock, Texas.

It's a trip you'll never forget, one you just can't miss!

Speech...

(Continued from Page 1)

ly-equipped stage has two side stages for experimental and historic styles.

A series of angular entranceways on both sides of the auditorium give quick access and exit to and from the seats. These entranceways are always open, but not easily seen by the audience because of the angle.

In addition to the extraordinary University Theater, an integral part of the new Speech Building will be the Speech and Hearing Clinic, which furnishes the Lubbock area with modern testing and therapy facilities for organic and inorganic speech and hearing problems.

The Speech and Hearing Clinic, staffed by Tech speech faculty and graduate students, includes a "room within a room" for sound testing, plus therapy rooms with one-way systems and one-way mirrors for observation.

Tech Day Set For April 25

(Continued from Page 1)

1920 Norwood Lane, Arlington, Texas

Austin — John F. Nixon, 5605 Windward, Austin, Texas

Big Spring — W. D. Brough, 1601 E. 6th Street, Big Spring, Texas

Bryan-College Station — John T. "Tommy" Shires, 616 Mary Lake Drive, Bryan, Texas

Crosby County — Ed Smith, Box 716, Lorenzo, Texas

Dallas — John Latham, 3821 Stratford Avenue, Dallas, Texas

East Texas — Clois Rainwater, 607 Lindsay Lane, Tyler, Texas

Floyd County — Eddie Foster, Route 2, Lockney, Texas

Fort Worth — Harry S. Scaling, 4117 W. 7th, Fort Worth, Texas

Greenbelt (Vernon) — Orlin Brewer, 2926 Sunset Circle, Vernon, Texas

Hale County — John R. Link, Olton Route, Plainview, Texas

Houston — Harold Pilcher, Box 13124, Houston, Texas

Midland — Danny Owen, 1600 E. Hickory, Midland, Texas

North Texas — Arol Rogers, 400 N. Crockett, Sherman, Texas

Top of Texas (Pampa) — Lavon S. Attaway, 2112 N. Christy, Pampa, Texas

Tri-County — Eric Rushing, 721 Main, Friona, Texas

Albuquerque, N.M. — M. G. "Red" Young, 9917 Woodland Avenue, N.E., Albuquerque, N.M.

Farmington, N.M. — Leslie Neal, 1801 Camino Rio, Farmington, N.M.

Pecos Valley — Kent Shannon, Box 633, Roswell, N.M.

Tulsa, Okla. — Jerry Russell, 6765 East 26th Court, Tulsa, Okla.

Bartlesville, Okla. — W. E. Reno, 103 Spring Road, Bartlesville, Okla.

Southern States — C. W. Cook, 5855 Brookgreen Road, Atlanta, Ga.

Denver, Colo. — Bill Leasure, 6067 Vivian Court, Denver 22, Colo.

New Orleans, La. — Jay Maltby, 240 Diane, New Orleans 23, La.

Oklahoma City, Okla. — Richard Ligon, 3005 S.W. 65th Place, Oklahoma City, Okla.

Bakersfield, Calif. — Carl Loveless, 29964 Rd. 168, Visalia, Calif.

Washington, D.C. Area

At press time reservations had already been received by more than 150 Tech Exes from a six-state area for a meeting of the Texas Tech Exes in the nations capitol on Saturday, April 18.

In a pre-observance of Texas Tech Day, the Washington, D.C. area Exes met at 8 p.m. on the 18th in the Ways and Means Committee Room in the House Office Building, located just across the street from the Capitol.

Tech's Dean of Agriculture, Gerald Thomas, will speak on recent developments at Tech and will show the Ex-Students Association's new movie, "Where Tomorrow Begins."

Ex-Students desiring additional information should contact Charles Aycock in Congressman George Mahon's office at 1211 New House Office Building, or by calling CA4-3121, Ext. 4005, or by contacting John R. Cummings, '41 at

2745 - 29th Street, NW, Washington, D.C.

Austin

Mark Gosdin, director of the State's park system will provide the program at the Tech Day observance of the Austin Exes.

Gosdin resigned April 1 as assistant professor of horticulture and park management at Texas Tech to assume his new position. In addition to his classroom duties he served as superintendent of grounds maintenance at Tech.

The Austin meeting will be April 25 at Rock Garden in Zeller Park, beginning at 5 p.m.

Exes are encouraged to bring picnic baskets. Drinks will be available. Anyone desiring additional information should contact Chapter President John Nixon at 5605 Windward Drive, Austin 2, Texas.

Albuquerque, N.M.

Tech Exes living in Albuquerque, N.M., will observe Texas Tech Day with a pot luck Dinner at 6:30 p.m. on Friday, April 24 at the home of Mr. and Mrs. Cary Lodal at 2515 Harold Place, N.E.

In addition the meeting will feature a special program of interest to all Exes.

Exes desiring additional information may contact M. G. "Red" Young, chapter president; Cary Lodal, vice president; or Ann Cunningham, secretary.

Roswell, N.M.

Hamburgers and beer will be served at the Texas Tech Day meeting of Roswell, N.M., Exes on Saturday, April 25th.

The meeting will be at the home of Jack McClellan in South Springs Acres, beginning at 4 p.m.

Kent Shannon '57 is chapter president.

Oklahoma City

An old fashion "Texas Steak Fry" will be the feature of the Texas Tech Day observance in Oklahoma City.

The meeting will be from 4-10 p.m., Saturday, April 25th at the Pan American Lease, three-fourths of a mile north of the Northwest Highway on McArthur.

Ex-Students from throughout Oklahoma are invited to this function.

Richard Ligon '58 is chapter president.

Houston

Houston area Tech Exes will have a "Family Recreation Panarama" as their observance of Texas Tech Day on Saturday, April 25th.

The Houston meeting will be from "noon to dark" at the Quillman Memorial Center, 11903 Bellaire Blvd.

Wayne James, executive director of the Ex-Students Association, will attend the meeting and speak to the group on several developments at the College. In addition he will show the new movie on the College, "Where Tomorrow Begins." Other entertainment will include a talent show.

Exes are encouraged to bring their lunch or purchase it from the snack bar.

Swimming, roller skating,

(Continued on Page 4)

Continue CLASP Drive

(Continued from Page 1)

N. Atkinson, Mrs. Phil O'Jibway, Mrs. Sterling Crumpler, Mrs. T. K. Morris, Miss Diane Honey, C. H. Kyle, Randy Swindle, Joe D. Bryan, Mrs. Juanita Lawrey, Fred West, Dane Grant, Wayne Prather, Mr. and Mrs. Laurence Sides, Mrs. J. T. Shaver, and Mrs. Kenneth Pharr.

Tech finished third for the third straight year, among 21 colleges and universities in the 1964 Austin CLASP drive. John Nixon, president of the Austin chapter served as chairman of that area's drive March 17-31. Pat Thurman, chairman last year, served as co-chairman. A total of \$884.50 was raised from 70.6 per cent of the exes in Austin.

Austin exes who worked on the drive are Rex Aycock, Barney Bogan, Johnny Buck, William Cavett, Tom Bunnell, Ray Chappelle, Sr., John Craig, Preston Davis, Bill Ezzell, Ed Grant, T. J. Hillis, Glenn Ivy, Rex Jackson, John Kelly, W. O. Lindsey, Lonnie McCurry, Mike O'dell, Robert E. Richards, Lewis Spears, Chuck Strehli, Frank Wentz.

The Dallas CLASP drive was launched with a dinner on April 2. Kenneth P. Dowell '44, is chairman for this area, which included Garland, Irving and Richardson.

Because of the large number of Tech exes living in this area, a telephone solicitation campaign is being conducted. Volunteer workers assembled at the offices of Jim McAuley, Guion Gregg and K. P. Dowell for four nights and telephoned fellow exes between 7-8 p.m. Garland exes are being contacted during two nights of telephoning from an office in Garland.

Exes who assisted in the Dallas CLASP drive are Scott Arbuckle, Pat H. Booth, Mr. and Mrs. Larry Byrd, Nancy Carlock, Tom Copeland, Pat Crandall, Lynn Elliott, Mr. and Mrs. Hugh English, Guion Gregg, Robert L. Jennings, Ross Kelly, Reuben Lambert, John Latham, Mr. and Mrs. Austin Lewis, Jr., Chandler Mathis, Mr. and Mrs. Charles Nystel, Wayne Shipley and Ann Suges.

The last CLASP drive of the year will be in May when Joe France '49, heads the Tyler area's second try. He will be assisted by Bill Bales '53, last year's CLASP chairman. The Tyler area includes Kilgore and Longview. Last year this area had more than 70 per cent of the Exes making a gift to the Loyalty Fund.

Because of CLASP projects throughout the state, an additional 800 Exes have already made gifts to the Loyalty Fund this year. This enables the Ex-Students Association to expand its services and projects. Some of the 1964 projects are:

- Help to finance the construction of an appropriate entrance marker to the campus
- An Ex-Student Decal, which will be mailed to all 1964 contributors
- Purchase of a new 14 minute movie of the College to be used by Ex-Student groups, civic clubs and in the recruitment of students
- Providing scholarships and loan funds for the benefit of needy and deserving students trying to finish their education.



Discussing plans for the Tech CLASP drive following the kickoff dinner in Dallas last month were Larry Byrd, Richardson, Ken Dowell (center), Dallas, and Mrs. Charles Stokes, Garland. A story on the CLASP drive appears in this issue of Tex Talks.

Tech Day Celebration Set For Nation-wide Observance

(Continued from Page 3)

pool, ping pong, and bridge will be available.

Baby sitters will be available at 20 cents an hour per child.

Anyone desiring additional information may contact Chapter President Harold Pilcher at CA8-0801, Ext. 224 or 223 or Secretary Mrs. Bettye Pilcher at HO4-2497.

Amarillo

Head Basketball Coach Gene Gibson '50 and acting Dean of Agriculture Dr. Wayland Bennett, will speak at a Texas Tech Day Meeting of Amarillo Exes Saturday, April 25th.

The Amarillo Meeting will be held at Wyatt's Cafeteria in Sunset Center at 7 p.m.

Chapter President Dick Brooks says that a large number of Exes from throughout the Panhandle are expected.

Other officers of the Amarillo Chapter are: First Vice President, David Leaverton '51; Second Vice President, Tommy Hewlett '51 and Secretary, Carl Benson '58.

San Antonio

San Antonio Exes will celebrate "Fiesta de San Jacinto" week and Tech Day with a meeting on Friday night, April 24, at the Olaf Lodal Ranch, 17 miles west of San Antonio. Social hour will begin at 6 p.m. followed by a barbecue dinner at 7:15 p.m.

Persons desiring additional information or wanting to make reservations should contact Melvin Sisk '37 at the Chamber of Commerce, CA7-8181 or A. L. Kincheloe '50 at Mosher Steel Company, Sisk, Kincheloe and Lodal '32 are handling arrangements for the meeting.

Wayne James, executive director of the Ex-Students Association will speak to those present on current happenings at Tech and show the movie, "Where Tomorrow Begins." Lodal's ranch (17 miles west of San Antonio) is located on Potranco Road, west of Loop 410.

Denver

Texas Exes from throughout Colorado will meet Friday, May 22nd in Denver.

The meeting will be held at the famous "Top of the Park"

in the Park Lane Hotel. A social hour will be held from 7-8 p.m., followed by a dinner and dancing.

Wayne James, executive Director of the Ex-Students Association, will speak at the dinner and show the new Tech movie, "Where Tomorrow Begins."

Bill Leasure '54 is chapter president and Gayle Erickson '55 of Golden, Colo., is vice president.

Santa Barbara, Calif.

Plans are still incomplete at press time for a meeting of Tech Exes in the Santa Barbara, Calif., area on Texas Tech Day (Saturday, April 25th).

Tech Exes desiring additional information should contact Royce B. Blankenship '49 at 532-B San Ysidro Road, Santa Barbara or George Wilmoth '49 at 469 Las Feliz, Santa Barbara, Calif.

Tulsa

A dinner will be held by the Tulsa Exes on Tuesday, April 28, in Danners Cafeteria in Utica Square.

Program for the meeting will be the new movie of the College, "Where Tomorrow Begins."

Chapter President is Jerry Russell, 6765 East 26th Court.

Illinois

Plans were not complete at press time for a meeting of the Illinois Exes.

The meeting will probably be sometime between April 29 and May 2 at the Conrad Hilton Hotel in Chicago.

Exes desiring additional information are encouraged to contact Porter P. Parris '38, vice president of the Conrad Hilton, who is handling arrangements.

Dallas County

A number of personalities from the Tech campus will be in Dallas on Saturday, May 16, for a meeting of the Dallas County Exes.

The dinner meeting will begin at 7 p.m. at Sammy's Restaurant at 1516 Greenville Avenue.

Head Football Coach J. T. King and Dean of Admissions Dr. Floyd Boze will speak.

Officers of the Dallas Chapter are John Latham '51, pres-

Teen Age Marriages Increase

"High schools can expect more married students in the future, and should educate students for a 'balanced social perspective,'" according to a report by Dr. B. J. Fallon, professor of education at Texas Tech.

Dr. Fallon and James W. Tunnell, former research assistant and doctoral fellow at Tech, have analyzed the results of a recent survey of married students in Texas schools, and come up with some conclusions.

Dr. Fallon discovered that the early marriages are relatively unstable, with a divorce rate two to four times greater than for those who marry at age 20 or older.

"A considerable number of these divorces could be prevented if adult society encouraged more of the high school marriages to succeed," Dr. Fallon said. "Frequently the early marriage is frowned upon after it occurs, and the young people cannot survive the normal problems of marriage coupled with social disapproval."

Dr. Fallon said he believes that the high schools should take the initiative in helping these early marriages have a better chance to succeed.

"The intelligent handling of the early marriage situation involves cooperative effort among the basic social agencies of the home, church and school, with other community agencies contributing in specialized ways," he said.

Dr. Fallon adds that early marriages in the United States are more than a fad; a definite trend toward early marriage is evident in many studies.

He cites the socio-economic conditions — fewer financial obstacles to marriage — which prevail at present as part of the reason. The combination of parental permissiveness, material prosperity and a steady increase in school populations, he believes, will mean that schools will have more, not fewer, married students in the future.

Contributory factors to early marriage were found to be "going steady," unstable and unhappy home life, lack of strictness in the home, pregnancy, ease of obtaining a divorce, the projected image that marriage is glamorous and attractive, emphasis placed on sex in aspects of daily life and parental pushing to grow up too soon.

Dr. Fallon says that the early marriage problem, like the school dropout problem, suggests no panaceas or easy solutions. The role of the school while not well defined, does emerge with respect to certain facets of the situation.

Football Schedule

The schedule for the 1964-65 football season for the Red Raiders has been released.

Two new teams spotlight the new schedule, with Tech tackling Mississippi State in the season opener at Jones Stadium on Sept. 19 and renewing an old rivalry with West Texas State on Nov. 7, also in Jones Stadium.

Sept. 19—Mississippi State (Lubbock) 7:30 p.m.
Sept. 26—Texas (Lubbock) 7:30 p.m.
Oct. 3—Texas A&M (College Station) 7:30 p.m.
Oct. 10—Texas Christian (Fort Worth) 7:30 p.m.
Oct. 17—Baylor (Waco) 8 p.m.
Oct. 24—Southern Methodist (Dad's Day) (Lubbock) 7:30 p.m.
Oct. 31—Rice (Houston) 2 p.m.
Nov. 7—West Texas (Lubbock) 7:30 p.m.
Nov. 14—Washington State (Lubbock) 2 p.m.
Nov. 21—Arkansas (Lubbock) 2 p.m.

ident; Charles Stokes '41, Garland, Ross Kelley '47, Dallas, Larry Byrd '57, Richardson, vice presidents; and Pat Crandall '60 of Dallas, secretary.

'64 Ex-Student Officers

EXECUTIVE BOARD Term Expires 1964

Floyd Read '48, Lubbock	President
Frank Calhoun '56, Abilene	First Vice President
Don Anderson '48, Crosbyton	Second Vice President
G. C. "Mule" Dowell '53, Lubbock	Athletic Council Representative
Earl Fuson '52 Dallas	Immediate Past President

DIRECTORS

Term Expires 1964	
Rob Brown '58	Throckmorton
P. A. Lyons, Jr. '42	Spearman
Julian Simpson '49	Midland

Term Expires 1965

Donnell Echols '59	Lamesa
Bill Bales '53	Tyler
A. J. Kemp '43	Dimmitt

Term Expires 1966

David Casey '54	Lubbock
Ken Dowell '44	Dallas
Pat Thurman '50	Austin

LOYALTY FUND TRUSTEES

Term Expires 1964

Andy Behrends '51	Amarillo
R. C. Mitchell '57	Lockney
Paul Haskins '48	Midland

Term Expires 1965

Kenneth Reast '45	Littlefield
Marshall Pharr '54	Andrews
D. N. Pope '50	Oklahoma City, Okla.

Term Expires 1966

Cliff Cummings '54	Lubbock
Joe Albright '42	Andrews
Jack Maddox '29	Hobbs, N.M.

Special Election Issue

See Page 8

TEX TALKS

Published by Texas Tech Co-Students Association

SEPTEMBER, 1964

VOL. 15 NO. 3



R. Wright Armstrong, second from left, who recently was elected chairman of the Texas Tech board of directors, is shown talking with Manuel DeBusk, third from left, the outgoing chairman. Armstrong is from Fort Worth and DeBusk is from Dallas. At left is J. Edd McLaughlin, Ralls, who was named vice chairman of the board, and right is Wilmer Smith, New Home, the outgoing vice chairman. (Tech Photo)

Board Gets Report On Texas Education

R. Wright Armstrong, Fort Worth, a retired railroad executive, has been elected chairman of Texas Tech's board of directors, and J. Edd McLaughlin, Ralls banker, was named vice chairman.

Their election came during the regular end-of-summer board meeting on the campus which featured a comprehensive report on the outlook for higher education in Texas by Dr. D. M. Wiggins, former Tech president and member of the Governor's Committee of 25 on Education Beyond the High School.

Armstrong replaced Manuel DeBusk, Dallas attorney, as board chairman while McLaughlin's predecessor as vice chairman is Wilmer Smith; New Home agriculture leader.

Delay Policy Statement

The board delayed final approval of a written statement of policy, which had been expected, until its fall meeting, but DeBusk directed that a revised copy of the statement be made public Aug. 31.

"There are two sections on which we could not reach final agreement—one on retirement and one on patents and copyrights—which will not be included in the Aug. 31 release," DeBusk explained.

He said the rest of the policy statement "needs only to be revised and edited."

In other action, directors:

1. Instructed Tech President Dr. R. C. Goodwin to write to

the U.S. Department of Agriculture and seek to obtain a recently approved cotton ginning laboratory for location on the campus;

2. Directed the Campus Planning Committee to report Oct. 24 on the "rapidly increasing traffic problem on campus." The CPC had asked Saturday that the board give consideration to ports of entry to the campus.

"I would like to see the entire traffic problem studied," commented board member Charles Matthews, Dallas, adding "there's no use in sitting back and waiting until it gobbles us up."

Approve Degree Program

3. Approved new degree programs of Master of Arts in French and Master of Arts in German;

4. Approved acceptance of several construction items, and

5. Named four women's residence halls, two of which are now occupied and two which will be occupied this fall.

Dr. Wiggins' report was termed "the key to higher education in Texas for many years to come" by DeBusk.

The 25-member committee recently made its report to Gov. John Connally, and members are in the process of presenting the story "in depth" in their own home areas.

"Texas slipped from 17th place in the United States in 1952 to 30th place in 1960 in the number of bachelor de-

grees," Dr. Wiggins pointed out.

He said salaries for higher education in Texas are 10 per cent below the national average, and the state ranks 31st in average number of school years of persons over 25 years of age.

The former Tech president stressed that Texas "can't be— (Continued On Page 2)

Dorm Names Honor Five

Texas Tech directors in an August board meeting approved naming four new women's resident halls in honor of five persons who have long records of association with the college.

Two of the dorms now are occupied and one will be put in use this fall.

Dorm 6, the east wing of the structure just west of the Boston Ave. entrance to the campus, will become Wall Hall, named in honor of C. I. (Stoney) Wall, Amarillo.

Wall was a longtime board member and former chairman. His term expired about two years ago. He's a Pioneer Natural Gas Co. executive.

Dorm 7, the west wing of the same structure, will be called Gates Hall in honor of both Dr. and Mrs. W. B. Gates, pioneer faculty members who retired last year and now reside in San Antonio.

(Continued On Page 2)

Wade, Davis Resign As Department Heads

Two Texas Tech department heads will resign their administrative posts Sept. 1 to devote full-time to teaching and research, Arts and Sciences Dean S. M. Kennedy announced.

They are Dr. J. William Davis, government department head, and Dr. Alton Wade, geosciences department head. Both will remain on the Tech faculty as professors.

Dr. Richard Mattox will succeed Dr. Wade as geosciences head. An administrative successor to Dr. Davis will be announced later.

Dr. Davis said, "The time required to administer a government department of this size has become very great and I feel that I would prefer to devote my time to matters other than those of departmental administration. I would like to have more time for research and writing."

Since Dr. Davis took the headship in 1944, the department has grown to one of the largest of its kind in the nation.

Dr. Davis said he would like to continue his work in athletics. As Tech Athletic Council chairman he has been instrumental in gaining Tech's admittance to the Southwest Conference and in establishing conference and national recruiting regulations.

Dr. Wade said, "I have several research opportunities which I feel I must not let pass. They are so big that I do not think I can meet the challenges they present and continue my administrative duties. I also am looking forward to spending more time in teaching."

Dr. Wade, world-famous authority on Antarctic geology, and Tech geosciences head since

1954, has been awarded a one-year grant from the National Science Foundation.

The grant will support research by Dr. Wade entitled (Continued On Page 2)



DR. DAVIS



DR. WADE

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Texas Technological College
Lubbock, Texas

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Board Gets Report On Texas Education

(Continued From Page 1)

come 'No. 1' in 10 years because right now money being allocated is just to keep the operation going as it is.

"There's no doubt that we are in the difficult position of playing catch-up," Dr. Wiggins said. He pointed out that more than half the financial load of state schools in California is being carried by private business and the federal government.

"Attraction of industry is vital. There's no doubt that the prime factor in getting industry to come to Lubbock is Texas Tech and the research possibilities which the campus provides," he added.

"Place For Junior College"

Specific points from the committee report made by Dr. Wiggins included the recommendation "no more junior colleges should become senior colleges in Texas."

"There's a place for the junior college, and we have just scratched the surface," he added.

The committee has recommended to the governor that an 18-member coordinating unit for universities, colleges and junior colleges be formed.

Limitation Of Universities

Some of the things which may be coming will be quarterly semesters, a limitation of the number of universities in the true sense and possibly higher tuitions.

"The real key to the entire program is the coordinating board and money," Dr. Wiggins told the board, adding the two ways which "a tremendous amount of money" can be raised are either to put higher education on a priority basis in the Legislature or to provide a dedicated tax.

"As it is now, the higher education funds come last after the Legislature has appropriated money for everything else," Dr. Wiggins said, adding that "personally, I lean toward a dedicated tax such as the one now being proposed for the state college building program."

"Need Dedicated Tax"

"A dedicated tax is used for our state highways, and Texas is second to none on good roads," he pointed out.

"We need big money," he concluded.

Armstrong asked if he had specific suggestions on the dedicated tax, and Dr. Wiggins said that would be "up to the legislature."

"The entire implementation of the report is up to the Legislature, and it may take some constitutional amendments," he added.

Board Member Al Allison, Levelland, chairman of the finance committee, reported that bids had been received on \$1,373,000 in bonds for the new Central Foods Facilities.

Votes To Sell Bonds

The board voted to sell \$255,000 in short term bonds to Russ and Co. at interest rates of 3.5 per cent and 3.6 per cent to mature from 1967 through 1983.

The remaining \$1,133,000 was awarded to the Housing and Home Finance Agency of the federal government at a rate of 3.625 and will mature from 1984 through 2013.

Board members approved changing the degree of Bachelor of Music, major in music education to Bachelor of Music Education.

Approval was given to installation of a solar screen at the College Bookstore.

Roads, parking and landscaping of the Killgore Beef Cattle Center were accepted from the contractor.

Resolutions Of Honor

Resolutions honoring the memory of former Gov. William P. Hobby, a former board member, and Leland Hart, former member of the traffic security staff, were approved.

Armstrong and McLaughlin, the new chairman and vice chairman, both were appointed to the board in 1961 by former Gov. Price Daniel.

Armstrong, a native of West Texas, spent his entire business career with the Burlington Lines of which the Fort Worth and Denver Railroad is a subsidiary.

He joined the railroad soon after World War I and served with the Trinity and Brazos Railroad and the Rock Island. He served as a captain in World War I and as a major in the transportation corps in Europe in the second world war.

Armstrong only recently retired as a Fort Worth and Denver vice president.

McLaughlin Area Pioneer

McLaughlin is a Crosby County pioneer. He is a past president of Rotary International. Armstrong will serve as president for one year.

DeBusk and Smith, along with Mathews who is filling an unexpired term, are scheduled to go off the board in January.

In a brief summary of his tenure on the board for the past six years, DeBusk commented he had seen the college's enrollment increase from 8,000 to 12,000-plus students.

"The budget increased from \$5.8 million in 1959 to \$9.8 million in 1964 and \$18 million was spent on new construction," he added.

He also cited the upcoming board policy and the creation of numerous academic programs.

Seven "Unsolved Problems"

DeBusk listed seven items as "unsolved problems." They included: (1) parking and its financing; (2) name change approval by the Legislature; (3) school song revision; (4) detailed long range planning program, both for physical plant and academic scope;

(4) Approval of strengthened graduate programs in present departments; (6) approval of schools of medicine, nursing, library science and pharmacy, and (7) start a search for a new president as Dr. Goodwin approaches retirement age.

Present for the meeting Saturday were DeBusk, Smith, Armstrong, McLaughlin, Mathews, Allison, Harold Hinn, Plainview and Dallas, Roy Furr, Lubbock, and Herbert Allen, Houston.

Members of the administrative staff also attended.

Dorms Named

(Continued From Page 1)

Dr. Gates was dean of the graduate school and a member of the original faculty.

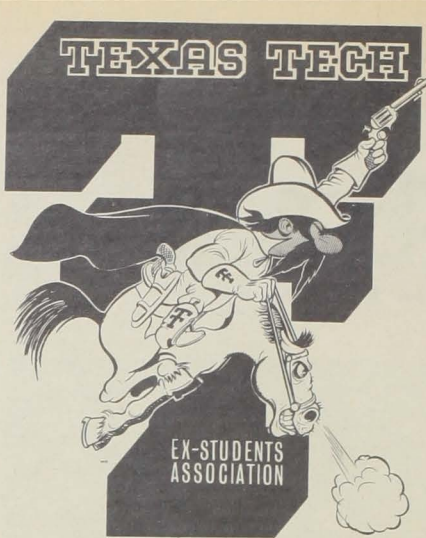
Dorm 8, the east wing of the structure to be occupied this fall located on west out 19th St., will become Hulen Hall.

It was named in honor of the late Gen. John A. Hulen, a pioneer Texas railroad executive. Hulen was a member of one of Tech's early boards of directors.

The final dorm—Dorm 9—to be named was the west wing of the new women's hall.

It will be called Clement Hall in honor of W. P. Clement, Lubbock, who is registrar emeritus, having retired from that position a few years ago.

Clement also was on the original college staff.



This handsome decal is being sent to all who contribute to the Texas Tech Loyalty Fund. It is five inches by six inches. Send your contribution today and receive YOUR decal.

Two Resign As Heads Of Departments

(Continued From Page 1)

"Geology of the Antarctic Horst Near the Shackleton Glacier." Dr. Wade plans to make his fourth trip to the Antarctic in October, 1964, to carry out further research.

Dr. Wade was a member of the second expedition to Little America in 1933-35. He also was on the third expedition to the Antarctica made by Adm. Richard Byrd in 1949-51.

Dr. Wade served as a major in the U.S. Air Force during World War II and was stationed in Greenland where he helped explore an inland ice area for possible use by United States troops.

He spent two years as a special staff officer at Fifth Air Force headquarters after the outbreak of hostilities in Korea. Wade worked on the "Operations Analysis" project which analyzed combat operations problems and dealt with logistical matters.

Dr. Davis is widely known for his work on possible revision of the Texas Constitution. He has served on research committees and has been widely sought as a speaker on the subject in the Lubbock area and other parts of Texas.

Recently Dr. Davis became the first annual recipient of the "Liberty Bell Award," presented by the Lubbock County Bar Association.

Dr. Davis also has been widely known as chairman of Tech's Athletic Council and as Tech's representative to the Southwest Athletic Conference. He is especially known for his work on the letter of intent agreements on a conference and later a nation-wide basis. The letters have been credited with improving the regulation of athletic recruiting.

Dr. Davis came to Tech in 1938 and was named professor and head of government in 1944.

Dr. Mattox, who will succeed Dr. Wade, is a native of Middletown, Ohio. He came to Tech in July, 1954, as an associate professor of geology. He holds both the B.A. and M.S. degrees from Miami University, Oxford, Ohio, and a Ph.D. degree from the State University of Iowa,

Ex-Student Officers

EXECUTIVE BOARD
Term Expires 1964

Floyd Reed, '48 President
Frank Calhoun, '56
Abilene First Vice President
Don Anderson, '48
Crosbytown Second Vice President
G. C. "Mule" Dowell, '55
Lubbock Athletic Council Representative

Earl Fuson, '52 Immediate Past President
Wayne James, '57
New Deal Executive Director

DIRECTORS

Term Expires 1964

Rob Brown, '58 Truckee
P. A. Lyons, Jr., '42 Spearman
Julian Simpson, '49 Midland

Term Expires 1965

Donnell Echols, '59 Lamesa
Bill Bales, '53 Tyler
A. J. Kemp, '42 Dimmitt

Term Expires 1966

David Casey, '54 Lubbock
Ken Dowell, '44 Dallas
Pat Thurman, '50 Austin

LOYALTY FUND TRUSTEES

Term Expires 1964

Andy Schroeder, '51 Amarillo
R. G. Mitchell, '57 Lucknow
Paul Haskins, '48 Midland

Term Expires 1965

Kenneth Reart, '41 Littlefield
Marshall Pharr, '54 Plainview
D. N. Pope, '50 Oklahoma City, Okla.

Term Expires 1966

Cliff Cummings, '54 Lubbock
Joe Allbright, '42 Andrews
Jack Maddox, '29 Hobbs, N.M.

CHAPTER PRESIDENTS

Abilene Fred Schultz, '50
Amarillo T. M. Cox, '46
Andrew Roy Buckner, '51
Arlington Roy Williams, '47
Austin Rex Jackson, '41
Big Spring W. D. Broughton, '53
Bryan-College Sta. John T. Shura, '58
Crosby County Ed Smith, '49
Dallas Charles G. Stokes, '41
El Paso E. J. Folsom, '50
East Texas Sammy Hale, '52
Floydada Fred Currie, '53
Hale County John R. Link, NCG
Houston Marion Crow, '40
Midland Howard Parsley, '53
North Texas Arol Rogers, '43
Odessa Bobby Hawkins, '56
San Antonio Melvin Suk, '37
Trans-Pecos Fred Gibson, '49
Tarrant County Eric Rushing, '40
Vernon Orlin Brewer, '49
Albuquerque Cary Lodal, '51
Denver, Colo. Robert S. Ralston, '59
New Orleans, La. Jay Malby, '53
Pecos Valley Kent Slannon, '57
Tulsa, Okla. James E. Cannon, '58
Oklahoma City, Okla. Bob Broyles, '51
Bartlesville, Okla. W. E. Reno, NCG
Bakersfield, Calif. C. W. Cook, '52
Four Corners Leslie Neal, '52

Decals Ready To Distribute

More than 3,000 new decals for the Texas Tech Ex-Students Association are being distributed to exes who have given to the Tech Loyalty Fund.

Wayne James, executive director of the Ex-Students Association, announced that this is the first time exes have had an official decal.

The decals were designed by members of a committee from the Ex-Students Association, headed by Floyd Reed of Lubbock.

The design features a red Double-T, with the cartoon figure "Ole Red" superimposed, and the letters "Texas Tech" across the top and "Ex-Students Association" in smaller letters at the bottom of the Double T.

"Ole Red," the masked mounted, two-gun rider with the long, red handle-bar mustache, is the creation of Dallas Morning News cartoonist Bill McElanahan. It is the same character that he uses to depict the Tech mascot, the Red Raider, in the Dallas paper.

Howard Welborn, Tech ex and Lubbock advertising executive, designed the Double T and did the lettering.

James said that in addition to the decals already mailed to members of the Association, decals will be mailed out to contributors for the remainder of the year as gifts are received. 1964 graduates from Tech will also receive decals.

Dining Area Being Built

Construction has begun at Texas Tech on the new consolidated dining facilities for four Tech residence halls.

The consolidated dining hall, being annexed to Bledsoe and Gordon halls, will serve students from West, Sneed, Bledsoe and Gordon. It is scheduled for completion in the fall.

The consolidated facility will have 14,000 square feet of new space and 13,000 square feet remodeled. It will be air-conditioned, have a seating capacity of 550, and be able to serve 22 students a minute.

The present dining facilities of the four halls are currently serving 1,346 students three meals a day.

The new facility will serve next year's students from the four residence halls in about one hour at breakfast, and hour and 15 minutes in the evening and about two hours at lunch time.

According to Tech's director of residence halls, Guy Moore, the purpose of consolidating the facilities is to give a more economical food service, by feeding larger numbers.

He added that Sneed, West, Bledsoe and Gordon are among the oldest halls. Consolidating will enable the College to modernize the facilities and equipment and still cut costs to students.

Moore estimated the cost of the annex at approximately \$600,000. New cafeteria chairs and tables will be purchased in addition to the remodeling and construction.

Stair towers will be built on two ends of Sneed and West to give students ready access indoors to come to the food service area.

Construction began earlier in the year on the new Central Food Storage Building, designed to save thousands of dollars in food expenditures for Tech residence halls through economies in the purchase and preparation of food over a period of time.

Agorots And Zlotys Used As Currency

Even when you have it, it isn't always easy to spend. The world's currency includes everything from agorots to zlotys. American Automobile Association international travel counselors urge the tourist to do a little homework before he starts throwing around piastres, half crowns and kroner, just to keep the small change straight.

Consider, for example, the British monetary system. The British themselves have been considering it recently, pondering whether to switch to the frightfully difficult decimal system.

The basic unit is the pound, made up of 20 shillings, which in turn are made up of 12 pence each. None of that easy counting by tens.

When you have the basic part straight, take a look at the various coins with which you will be dealing—the half-penny (hay-penny), penny, threepenny bit (thruppence), sixpence, shilling, florin and half crown. Evidently on the theory there was no longer much that was worth a farthing, the British several years ago stopped minting farthings—a fourth of a penny.

The logic that permeates the British system of currency permits you to have a half crown—worth two shillings and sixpence—but you won't find a crown. Under similar logic, you will see shop prices occasionally listed in guineas, although you won't be able to find a guinea. If the price listed is one guinea, it will cost you 21 shillings, or one pound and one shilling.

Don't depend on the pictures to guide you. It is British practice to use likenesses of the current ruling monarch on current coinage, and you'll find in circulation coins carrying impressions of various British monarchs, as far back as Queen Victoria.

Now that you have Britain straight, let's move down to Israel, where again the pound—the Israeli Pound—is the basis of currency. But here we are on the decimal system, with the pound split neatly into 100 agorots.

Where the confusion comes in is that you will occasionally hear references to the piastre, 100 of which once made up the pound, or to the piastre's slang appellation, "grush" or "grushim." The piastre was in use before someone decided to be different and split the pound into 1,000 prutots. The prutot proved impractical, because what could you buy with one prutot? So it went back to a division of 100 again, and the name was changed to agorots. Even the Israelis have been having a time catching up.

Things aren't so confusing in France these days as they were in the couple of years following the 1959 currency decree which pegged the franc at 49 to the dollar, instead of the previous 490. Coins and bills were slugged "NF" for new franc, and both new francs and old francs were in circulation for a time. Now the "new franc" designation has disappeared and it's merely "franc" once more.

Since the franc is split into a simple 100 centimes, the tourist shouldn't have too much trouble unless someone tries to palm off some old francs, a practice considered highly illegal.

The only major nations using the pound sterling are Britain, Australia and New Zealand. In 1966, Australia and New Zealand will substitute dollars and cents for pounds and shillings.

Most major tourist destinations have money reckoned on the decimal system. The main confusion arises in translating the coins into values in United States money. Adding to the confusion is the practice of some countries in merely imprinting arabic numerals denoting denominations of one, 10 or 20, without designating one, 10 or 20 what.

One solution for the traveler headed for strange lands is to drop in on his friendly banker or foreign exchange firm and pick up a package of \$5 or \$10 worth of coins of the country he intends visiting. These can be studied and related to U.S. money—and it's always a good idea to have some loose change when you arrive, for preliminary tips or cab fares.

Houston Exes Have Big Plans For Coming Chapter Year

Chapter Officers of the Houston Chapter have outlined a real active program for that chapter.

The Chapter will sponsor a chartered bus to Bryan for the Texas Tech-A&M game on October 3.

A reception for all Tech Exes will be held both prior to the Tech-Rice game and afterwards. The reception will be held in the Shamrock-Hilton Hotel. A special invitation is extended to all out-of-town Tech Exes in Houston for the game on October 31.

Films of each week's Tech football game will be shown at noon one day each week. At press time the particular date had not been selected.

All Tech Exes in Houston are invited to participate in the 1964-65 Couples Bridge Tourna-

ment. The tournament is held from September through May.

In addition, a special monthly bridge party is scheduled for the ladies.

Persons desiring information on the bridge tournament are encouraged to contact Chapter President Marion J. Crow, 5118 Briarbrook or by calling him at PA 3-1022.

Other activities planned include a theater party, a Mexican Dinner before the Tech-Rice basketball game, a silver coffee and a Tech Day Meeting.

Officers of the Chapter are: President, Marion J. Crow; Vice President, William L. Adair; Secretary, Mrs. Charlie Contrell; Treasurer, Mr. W. H. Lemons; Reporter, Mrs. Phyllis Mason.



Rebecca Ramsey, 1964-65 National Intercollegiate Rodeo Queen.

New Dorms Jump Capacity To 7,147

Texas Tech will have room for 1,862 more students in its campus residence halls next fall.

Four new halls, among the most elegant in the nation, will open with the fall semester Sept. 14. Two will house 1,054 men, and the other two, 808 women. All four are air-conditioned.

The Texas Tech residence system then will have 19 halls housing 7,147.

Typical are the two new halls for women. Connected by a central lounge and a dining facility, the halls are designed in a Spanish modern motif.

The lounge includes quarry tile floors, marble columns, patterned stone, walnut paneling and two fountain and pool areas.

Each room has a telephone and two desk units, including book shelves, tackboard and reading light. In addition to ample storage space, furniture in the room is built into the construction to make house-keeping easier. Only movable objects are desk chairs and mattresses.

Each room contains a lavatory and medicine cabinet. Each hall has a laundry area with coin-operated washers and dryers in its basement, and kitchenettes are provided for teas and other small gatherings

by residents. Each hall has an informal lounge, available to guests of residents.

The new halls are made possible by government loans which are being repaid by hall residents.

Rooms Still Available

Rooms are still available in the Texas Tech halls, but reservations should be made as soon as possible to assure a place in them, Hubert Burgess, supervisor of room reservations, said.

The new halls are just part of more than \$10 million in new construction being completed this year at rapidly-growing Texas Tech.

Academic facilities completed this spring include a new Psychology Building and a new University Theater and Speech and Hearing Therapy Center. Combined cost is more than \$900,000.

Ground floor of the new Psychology Building contains a Testing and Guidance Center, Psychology Clinic and administrative offices. On the second and third floors are laboratories and computing facilities, classrooms and offices.

Animal laboratories are located on the fourth floor, while a workshop for creating and maintaining laboratory equipment is in the basement.

The exciting new theater is the centerpiece of the Speech Building. Four hundred persons may be seated in an intimate, semicircular arrangement that makes spectators feel as if they are part of the play being presented.

A series of angular entranceways on each side of the seating gives quick access and exits from the seats. The entranceways are open at all times, but because of their angle, are not easily seen by the audience.

The Speech and Hearing Center, also in the Speech Building, includes a room with a room for sound testing, plus therapy rooms with one-way sound systems and one-way mirrors for observation.

The new \$500,000 Killgore Beef Cattle Center is in operation this spring at Texas Tech's Research Farm near Amarillo. The Center contains an elaborate exhibition area, plus laboratories, offices and an intricate feedmill and feed delivery system.

Central Food Building

Other Lubbock campus facilities due for completion this year include a Central Food Facilities Building, Consolidated Dining Room for West, Sneed, Gordon and Bledsoe Halls, and an addition to the Texas Tech Bookstore.

A new Classroom and Office Building is planned for 1967 and an addition to the Student Health Service is scheduled for completion in 1965.

None of these facilities will come too soon as Texas Tech is expecting more than 13,000 students next fall, 15,000 by 1965, and more than 20,000 by 1970.

Last fall it was the third largest state-supported college or university in Texas, with 12,036 students.

Texas Tech is increasing graduate training and research as well as its size. Four new doctoral programs will go into effect this fall—in mathematics, government, engineering and physics. Tech will then be offering 10 doctoral programs. Master's degree programs will be instituted in six new areas.

Dr. Gillis Named Head Of English Dept.

Dr. Everett A. Gillis, a member of the Texas Tech English faculty since 1949, was named head of the English department at Tech effective June 1. Arts and Sciences Dean S.M. Kennedy announced.

Dr. Gillis replaces Dr. John Guilds, who has resigned to become head of the English department at the University of South Carolina.

Dr. Gillis came to Tech as associate professor, and was named professor in 1956.

Recently he has collaborated with Prof. Joseph Dorgett of the University of Houston and Prof. Rosa Bludworth of San Angelo College in compiling "The College Forum."

The book, published by Odessey Press, Inc. of New York, is a collection of essays, poems, short stories, letters, plays and speeches of the Western intellectual and cultural tradition. It has been adopted as a freshman English reading text by several colleges and universities, and is currently being used by the Tech English department.

He also has published many articles and several books of poetry.

A native of Cameron, Mo., Dr. Gillis has lived in Texas since 1931. He received the B.A. and M. A. degrees from Texas Christian University, and the Ph. D. degree in 1948 from the University of Texas.

He taught at Texas A and I College from 1947 to 1949, after serving in the Field Artillery during World War II. He has also been a visiting professor at Stephen F. Austin State College in the summer of 1959 and 1961.

He received a Ford Foundation Faculty Fellowship in 1955-56 for study in cultural history at the University of California at Los Angeles and the Hunt-

ington Library, San Marino, Calif.

Dr. Gillis also received the Texas Tech Research Grant in the summer of 1960 to study western ballads in the Archive of American Folksong, Library of Congress, in addition to grants in 1962, '63 and '64 to study the poems and plays of T.S. Eliot.

Dr. Gillis' teaching interests include American literature, modern poetry, literary criticism and literature of the Southwest. He is a member of the Modern Language Association of America, The American Folklore Society, The Poetry Society of Texas, the Texas Institute of Letters, and the Texas Folklore Society.

Dr. Gillis has won numerous poetry prizes from the Poetry Society of Texas, as well as the Margie B. Boswell Ex-Student Contest at TCU and the Silver Spur Award from the Border Poets, Kingsville.

Prof Writes On 'Old Rip'

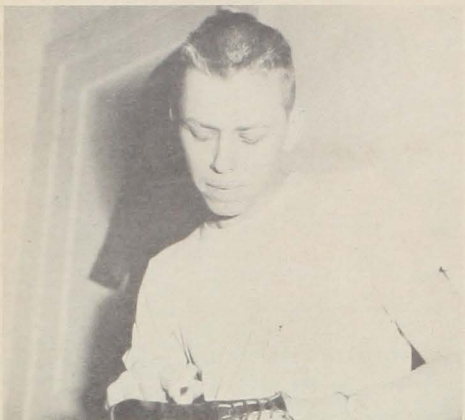
A former Texas Tech professor, Dr. William Hughes has written a biography of Texas Frontiersman John Salamon Ford, which was published in the spring.

The book, entitled "Rebellious Ranger: Rip Ford and the Old Southwest," was published by the University of Oklahoma Press.

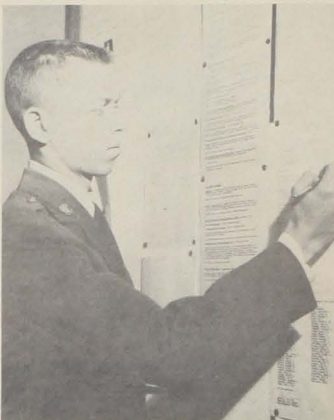
Dr. Hughes is currently a professor at Mankato State College in Minnesota.

Dr. Hughes' book relates the life of Ford, known as "Old Rip" who helped put Texas in the Union in 1845 and who was also instrumental in getting Texas out of the Union in 1861.

Tex Talks Picture Page



8 A.M. THURSDAY—Spit and polish, spit and polish to get the shoes and capbill in shape for the rigorous inspection he will have to face on the drill field. Shoes and capbill must be highly glossy and uniform must be immaculate.



1 P.M. THURSDAY—Galbraith reads over the wing bulletin board for any information concerning him or his activities. All cadets are responsible for reading the bulletin board three times a week.



1:15 P.M. THURSDAY Detachment officer and instructor Captain Albert Wilson talks to Galbraith about the famed 5BX plan for physical fitness that each cadet must be familiar with.

Glen Galbraith

A Typical Thursday For A Tech AFROTC Sabre

The Air Force ROTC Sabre Team of Texas Tech's 820th Squadron is one of the hardest working units on the Tech campus. The score of men who finally make the grade and wear the white forragere of the Sabre Flight are skilled in drill and ceremony. This is the organization that represents Texas Tech in parades, ceremonies and competition all over the state.

The average Sabre practices on his drill and marching work for about two hours a day. Thursday, the day of drill for all ROTC cadets, is a real busy day for the Sabres. The day begins with the polishing of shoes and hatbill. Such tasks as reading the bulletin

board, talking with detachment personnel, drilling and studying drill manuals follow in order.

The Sabre pictured on this page is Glen Galbraith, freshman from San Antonio. He was awarded the Professor of Air Science's Award as the Outstanding Freshman in his unit.

The Sabres recently competed in the Area Conclave at Dallas and did well, placing second in Regulation Drill.

For information on the Sabres, contact Cadet Colonel Samuel R. Gaston through cadet headquarters.

(All photos by Rick Porter.)



3:30 P.M. THURSDAY—Galbraith walks onto the drill field to join his fellow Sabres, who will soon begin the daily drill. The Sabre Flight is an extra-curricular activity for all men who participate.



4 P.M. THURSDAY—"Right Face" and the Sabres respond with a snappy turn. Many, many hours are spent in executing the basic moves that will eventually be the difficult movements of ceremony drill.



4:15 P.M. THURSDAY—The Sabres, after a short break, return to the drill field for more practice. Often the precision team gets in 18 hours of practice in one week.



4:30 P.M. THURSDAY — "May I touch you, Mister?" Flight Commander Jay Holmes asks Galbraith as he goes through the weekly inspection routine. Sabres are inspected regularly to insure their readiness.

8 P.M. THURSDAY — After a busy day on the drill field, Galbraith finds that that he must still devote some time to AFROTC through studying his drill manual to be ready for the AFM 50-14 quizzes that are given so often.



Don't Give Up Your Old Well Too Quickly

There is no excuse to abandon an "old well gone bad" unless all economically feasible procedures to produce water have been exhausted, according to Dr. William D. Miller, assistant professor of geosciences at Texas Tech.

"In some cases," Miller said, "the actual dollar value of water production from an old well could be increased significantly through proper development procedures."

The Tech geoscientist attributed decreasing yields from wells to permanent lowering of the water table, mechanical malfunctions or secondary plugging of formation, packing, casing or screen openings.

"Permanent lowering of the water table is not readily corrected," Miller continued. "Mechanical malfunctions of pumping equipment may be corrected, though sometimes at great expense."

"However, if decreasing production is caused by temporary drawdown due to plugging, in some cases remedial measures can be taken."

Chief factors listed by Miller which cause secondary plugging include chemical or biochemical precipitates, biological accumulations and mechanical plugging by clay, sand and rock fragments from the formation.

"Even after water enters the pumping system, inefficiencies result from chemical and biological build-ups inside the column pipe," Miller cautioned.

"Chemical and biochemical build-ups obstruct fluid flow and cause corrosion and brashion. These build-ups usually affect the down-hole equipment more than the aquifer. Biological well pollution on the High Plains also seems to be restricted principally to installed equipment."

High Plains farmers have reported brown mold fungi, diatoms, worms, and fly larvae in their wells.

"Not only does this mass of organic matter prevent free flow, but some organisms cause deposition of inorganic precipitates," Miller added. "Some of the pitting, corrosion and deposition of iron compounds on pumping equipment and casing is undoubtedly caused by bacteria."

The Tech geoscientist lists cutting off the food source and source of pollution, together with producing an environment in which plugging agents cannot live, as ways to control biological pollution.

"The food source for bacteria is probably from pump lubricants or secondary products formed by interactions of the various organisms. Some of the algae in turn use phosphate and nitrogen, commonly gained from fertilizers," Miller continued.

He recommended the use of chemicals which kill the organisms, dissolve the matter for easy removal, and are non-toxic to future water users, non-contaminating and non-corrosive.

Miller added that clay is another major plugging agent for water wells. This problem can be solved by "disaggregating" and dissolving the clay balls so that they can be flushed through the pores in the formation and through the screening materials.

"Commercial chemicals capable of combating the tendency of clays to coagulate are available," he said.

Three Nominated For Top Offices

See Story Page 8

Stangel Books Are Given To Killgore Site



FRANK CALHOUN



DON ANDERSON



CLIFF CUMMINGS

The library at Texas Tech's new \$500,000 Killgore Beef Cattle Research Center near Amarillo will be the permanent home for 300 to 400 books from the personal collection of W. L. Stangel, dean emeritus of agriculture at Tech.

Dr. R. C. Goodwin, Tech president, announced the donation of the books to the Center. He also disclosed that the Center's library would be named after Dean Stangel.

The books in Dean Stangel's collection deal mostly with animal husbandry although some are on agriculture in general.

"Mine is possibly one of the largest private collections of animal husbandry books in existence," Dean Stangel said. "I didn't collect these books because I was a 'bookhound' either. They were used in my 42 years in agriculture as a teacher and administrator."

Dean Stangel attended Texas A&M as an undergraduate student. After his graduation, he remained at A&M as a member of the faculty for nine years before beginning his 33-year tenure at Texas Tech. Some of the books being donated to the Killgore Center date back to 1911, the Dean's freshman year at A&M.

C. E. Weymouth of Amarillo, a Killgore Foundation trustee, first approached Dean Stangel regarding the donation of his books for the Killgore Center.

"When Mr. Weymouth asked me to donate my books to the Center, I was very honored," Dean Stangel declared. "This is not only a great personal honor for me but also a privilege that doesn't come to everyone."

Dean Stangel said that he was glad his book collection would remain intact in the Killgore Center library and not become lost in larger libraries.

"These books will furnish a tremendous amount of resource material for the use of graduate students doing research at the Center," he added.

The collection includes the first book on livestock judging to be written as well as a copy of every book on this subject which came out prior to 1958 when Dean Stangel became Tech's emeritus of agriculture.

"I cannot arrive at a figure for the value of these books. Approximately one-third are priceless and have been out of print for as many as 20 years," Dean Stangel said.

"They clearly reflect the many changes in agriculture and animal husbandry which have taken place during the past 43 years."

Engineers Orbiting Earth With Waves

Texas Tech electrical engineers are taking electronic target practice and orbiting the earth in a matter of seconds with radio waves.

These two research projects, involving the study of radio wave propagation, are intended to investigate the basic properties of the ionosphere and to develop a better understanding of its transmission characteristics so that improvements in long range communications systems may result.

Principal investigator at Tech for both projects is Dr. Harold A. Spuhler, head of the electrical engineering department. He said that Tech first got into this type research when he was approached by the University of Illinois and the National Research Council of Canada because of Lubbock's location.

The second project, in conjunction with Stanford University in California, came as a result of the first but was put into operation eight months sooner.

"We are trying to find optimum conditions which offer low amounts of distortion and interference with radio transmission," Dr. Spuhler said. "The material we will gather may possibly give us answers to many of our questions."

The equipment needed to conduct both research projects is housed in a small concrete blockhouse in the center of a plot of barren West Texas prairie owned by the college and within walking distance of the Tech campus. Passers-by seeing the two 140-foot towers which support the Gargery antenna might easily mistake the facilities for a commercial radio station.

Inside the blockhouse, small, multi-colored lights blink on and off 24-hours-a-day as impulses are sent by the Tech transmitter to receivers in Illinois and Canada. Other signals are transmitted in California and received in Lubbock.

The 38 K.W. transmitter being used in the University of Illinois experiment steps signals from one channel to another through a 160-channel, 4-band range. Researchers in Illinois and Canada note the time of arrival and direction of arrival of these impulses.

A smaller bank of electronic gear across the room from the transmitter houses the receiver used in the Stanford experiments.

"A transmitter at Stanford sends impulses into the ionosphere through which they tunnel their way around the world before we receive them," Dr. Spuhler said. "We have long



DR. SPUHLER

been aware that radio signals could be bounced off the ionosphere for greater range. The possibility of using the ionosphere for multi-pathed transmission is comparatively new although many scientists have long suspected that this could be done."

Timing and synchronization are the two most critical areas of this research, according to Dr. Spuhler. The frequencies to be used and the time of transmission must remain constant so that the only variable is the signal impulse itself.

Tech's bleak transmission and receiving site has no windows so that a dust-free climate with controlled atmosphere can be maintained at all times. The massive transmitting antenna is joined on the prairie by three smaller ones connected to the receiver.

Four research assistants staff the site at various times during the hours between 8 a.m. and 5 p.m. The duties involve constantly monitoring the equipment so that the proper signals and channels are maintained. They also make changes and adjustments as they are called for in the experiment.

With such a great importance placed on time, synchronization, all station involved in both projects rely on WWV, the National Bureau of Standards accurate readings. The 24-hour Greenwich Mean time is the

station in Washington, D.C., for standard used as a common reference.

Dr. Spuhler said that the transmitter and receiver power systems have battery-operated emergency supplies backing them up for use in case of power failure.

"By using Greenwich Mean time," Dr. Spuhler said, "Ottawa and the University of Illinois know exactly when we send our impulses, how much time to allow for their transmission, and exactly when they should receive them. With all the signals and interference a receiver will pick up, a standard time for all stations is mandatory."

A "target transmitter" will soon join the other electronic equipment on loan to Tech from the federal government in the blockhouse. This transmitter will provide a standard, constant signal as a reference for University of Illinois and Canadian crews.

Dr. Spuhler feels that these two radio propagation experiments add greater standing to the graduate and undergraduate electrical engineering programs at Texas Tech.

"As there are only 41 ionospheric research units in the world, we naturally feel very proud that Tech was selected to participate," Dr. Spuhler added. "There is definitely room for expansion, both in our transmitter facility and on our antenna site, and we hope to use these two original projects as a bridge to other projects with other organization."

Notice . . .

We are constantly receiving notices from the Post Office Department concerning second-class mail which is not deliverable to incorrect or insufficient address.

Since each of these notices costs the Ex-Students Association TEN CENTS, within a short time it amounts to a needless expenditure of a considerable amount of money.

We are therefore, requesting those who receive Tex Talks, when making a change of address, to notify us immediately, giving both the old and new address.

Please use the attached form in requesting change of address.

NEW ADDRESS	OLD ADDRESS

Your cooperation will be greatly appreciated.

WAYNE JAMES
Executive Secretary

550 Diplomas

Speaker Challenges Summer Graduates

"If you are willing to settle for things as they are today, you will never achieve the great tomorrows; and if you blindly accept today's truths, you will never make tomorrow's discoveries," John C. White, Texas Commissioner of Agriculture, told more than 550 Texas Tech graduates at summer commencement exercises Aug. 22.

Speaking in Lubbock Municipal Auditorium on "The Challenge for Great Achievements," White told the Tech graduates, "A whole new creation in the process of creation; broad changes are coming that can transform this country, its people and the way we live."

"For better or for worse, your generation has been appointed by history to deal with these problems and to lead America toward a new age of liberty, equality and opportunity."

The 39-year-old White, serving his seventh term as Commissioner of Agriculture, continued, "The challenge you face is to create a destiny where the meaning of our lives matches the marvelous products of our labors."

"You, as no other before you, can come to grips with a man's historic enemies — the Four Horsemen of the Apocalypse — those ancient scourges of war, famine, pestilence and death."

"Wars have been the inescapable heritage of man; war will always be with us. But you have the power to decide whether our future wars will be the senseless blood purges of nations, or the economic and ideological wars which stimulate nations to competitive greatness."

White, who graduated from Tech in 1946 with a degree in agriculture, added that famine is not the dread terror of this country as it is in other parts of the world, but that undernourishment is.

"Despite our capacity to produce more goods than we consume, recent studies show that fully 20 per cent of our population exists on a sub-standard diet," he said.

White told the graduates that without great risks there will be no great rewards in this life.

"The society you are entering is one of free enterprise in which you have much freedom to succeed and much freedom to fail," he continued. "Great accomplishments often demand great self-sacrifices."

White said that the vision of our ancestors in recognizing this fact has been richly rewarded, and this nation today is the result of their courage and capacity to assume their responsibilities.

"Your task, the task of all young people in America is to protect and increase this heritage."

White cited the increase in the nation's and the world's population, adding, "The only way we can hope to deal with the population explosion is with the knowledge explosion. Above all, we must have a civilization where human dignity is not sacrificed to a mass technology, and individual liberty is not suppressed by a mass psychology."

White asked the Tech graduates, "Will you decide to leave the future a society where a man is condemned to hopelessness because he was born poor, or will you develop new concepts of education and op-

portunity to wipe out poverty in this land?"

"Will you decide to leave the future a society where a man is kept from sharing in our nation's life because of the color of his skin, or the church he attends, or the place of his birth, or will you join to give every



JOHN C. WHITE

American the equal rights which are his birthright?"

"Will you leave the future an America where educational opportunities become the privilege of the fortunate or will you initiate a gigantic push to help our educational facilities match the crushing demand?"

And finally, will you leave the future an America slowly declining from a position of world leadership, or will you strike new paths to keep America strong enough to defend against any enemy — wise enough to seek peace among nations?"

"If you take the wrong paths, make the wrong decision, you may find your generation facing still another group of Apocalyptic Horsemen called: poverty, bigotry, ignorance and fear," he warned.

White stated that the leaders, the "doers" of this world, are a very limited group of people who are bound to meet opposition from the "less capable in society."

"These are the people who fear change, who suppress initiative and who want conformity in all things," he added. "These are the 'don't rock the boat' people who would let our society stagnate rather than take the necessary risks for future greatness."

White believes that the biggest and most important job of the educated elite of today is to expand educational opportunities for the coming generations.

White quoted President Johnson's recent address in Ann Arbor, Mich., where he said, "The challenge of the next half century is whether we have the wisdom to use our wealth to enrich and elevate our national life."

We have the opportunity to move not only toward the rich society and the powerful society; but upward to the Great Society."

White concluded, "From this night on, you graduates take your place in helping shape this Great Society. I urge you, this College urges you, this nation needs you to accept this challenge. We are confident you will meet it well."

Students Of 236 Counties Attend Tech

Texas Tech has students from 236 Texas counties, 44 other States and 31 foreign countries, a Registrar's Office study of the fall semester reveals.

As would be expected Lubbock County leads with 3,846 students.

Dallas County has 906 students at Tech, and increase of 162 students over the previous year.

Harris County (Houston) sent 566 students.

Other counties with large numbers attending Tech were: Tarrant (Fort Worth) 392, Midland 276, Potter 253, Hale 247, Ector 216, Taylor 189, and Bexar 166 students.

WANTED

Addresses on two former Treador editors from the early days, HAL LARY, '29-'30 and TOM MORRISON, '27-'28. Anyone knowing their whereabouts please write: Ralph L. Sellmeyer, Journalism Department, Texas Tech, Lubbock, Texas.

'39 Class Plans Reunion On 25th Year

A special reunion of the Silver Anniversary Class (1939) of Texas Technological College is planned for Saturday, September 19th.

Registration will begin at 9 a.m. in the Ex-Students Association office in the Student Union Building and will continue to 5 p.m.

A special reception will be held from 3 to 5 p.m. Special guests at the reception will be members of the College faculty in 1939.

Immediately following the reception there will be a dinner for the members of the class and their wives or husbands. An unusual program is planned that should be of special interest to each member of the class.

Special effort is being made to get each member of the class of 1939 back to the campus for this 25th Anniversary Reunion.

Wayne James, Executive Director of the Ex-Students Association, has announced that over 600 invitations have been mailed to members of the class. Members of the class who have not received an invitation are encouraged to immediately contact the Ex-Students Association for additional information.

Arch Lamb of Lubbock is chairman of the 25th Anniversary Committee.

A special section at the football game that night between Mississippi State University and Texas Tech Red Raiders is being reserved for those members of the Class of 1939 that do not have season tickets. Plans are being made to honor the members of the 1938 football team at the game. The '38 team was the team that went undefeated through the regular season and was defeated in the 1939 Cotton Bowl game.

Historic Photo Given To Tech

A long-time Lubbock resident, George W. Soash, has contributed a large picture of one of Texas' most colorful and outstanding pioneers to the Southwest Collection at Texas Tech.

The picture, made in 1909, is of Col. C. C. Slaughter, famous Texas rancher and close friend of Soash's father, W. P. Soash. Slaughter presented the 16-by-27-inch picture to the elder Soash as a token of their friendship.

According to Soash, "My father knew quite a few of the big men of Texas, but I know in his eyes Texas never grew any of them taller in the saddle than this man, Col. Slaughter."

In the early 1900's W. P. Soash bought 200,000 acres of the Big Spring Ranch from Slaughter, who told him, "This Plains country you are now in will be the future breadbasket of the state of Texas."

Born in Sabine County, the oldest son of George Webb Slaughter, Col. Slaughter was, by the age of 12, a cattle hand and by the time he was 17, trading on his own.

He moved to Freestone County in 1852 and became an expert on crossing cattle over the Trinity River, a job for which he was hired by trail herds from the Brazos River enroute to New Orleans and Red River ports.

About this time young Slaughter began buying lumber in Anderson County and sold it to settlers around Dallas. With the money he bought wheat in Collin County, put his oxen on the treadmill to grind the wheat into flour, sold it at Magnolia and returned home with a profit of \$520 for the three-month trip.

With this profit he bought his uncle's interest in the small Slaughter herd of 70 head.

Having earlier noticed that Brazos river cattle were superior in size and flesh to his own cattle, Col. Slaughter and his father scouted westward for a new range in the summer of 1855.

The herd had increased to 1,500 head and Col. Slaughter was in charge in 1856 when they moved to Palo Pinto County and furnished beef to Fort Belknap.

By 1867 Slaughter was interested in the Northern markets. He sold 300 beeves to a Jefferson packing house at \$35 a head, in gold, an unheard of price for Texas steers.

He continued to supply this market on contract, and in 1868 began driving trail herds to Kansas markets.

In 1871 Col. Slaughter brought shorthorn bulls from Kentucky to breed a herd of selected heifers, thus becoming one of the pioneers in improving Texas Longhorns.

One of the organizers of the Northwest Texas Cattle Raisers Association, Slaughter operated in Palo Pinto and Young counties prior to 1887, when he established his Long S Ranch on the headwaters of the Colorado River.

After this time he continued to add to his holdings until they totaled a million acres. With cattle on three ranches, he was the largest individual taxpayer in the state at that time.

He kept a home in Dallas after 1870 and became interested in banking there. He also took a hand in building the city of Dallas, and was noted for his philanthropies. He died in Dallas, Jan. 26, 1919.

At one time Slaughter's cattle holdings covered an area 50 by 80 miles.

EX-STUDENT APPLICATION FOR 1964 FOOTBALL TICKETS

Regular price game tickets will be available on the East and West side of the stadium. Game tickets will also be available on the West side in the option areas at a surcharge of 50 cents in the \$100 area—\$1 in the \$200 area. The \$100 is located in the old part of the stadium between the 20 and 40 yard lines on the west side of the field, the \$200 area is in the new part of the stadium between the 20 and 30 yard lines on each end. The new part of the stadium is the lower section of seats around the field. A check including 25 cents mailing charge must accompany all ticket orders. To assure best seats available, place your orders early. Individual game ticket orders will be filled AFTER season ticket orders are filled. Indicate the number of tickets desired for each game in the space provided. Tickets will be mailed after September 10.

HOME GAMES	No. of Tickets	\$4.00	\$100 Area \$4.50	\$200 Area \$5.00	Total
Sept. 19—Mississippi State (N)					
Sept. 26—University of Texas (N)					
Oct. 24—Southern Methodist (N)					
Nov. 7—West Texas State (N)					
Nov. 14—Washington State					
Nov. 21—Arkansas (Homecoming)					
OUT OF TOWN GAMES					
Red Raider fans will probably receive better choice of tickets to out-of-town games when ordering from Tech than when obtaining them from the host school. Southwest Conference agreements require each host school to allot preferential seats to all visiting teams.					
Oct. 3—Texas A&M University (N)			\$4.00		
Oct. 10—Texas Christian (N)			\$4.00		
Oct. 17—Baylor University (N)			\$4.00		
Oct. 31—Rice University			\$4.00		
		Mailing Charge		.25	
		Total		\$	

Be sure to enclose check or money order plus 25 cents mailing charge with all orders. No tickets will be reserved unless check is sent in with application. Make all checks payable to TEXAS TECH COLLEGE. Mail application to: Mrs. Mildred Wright, Athletic Department, Texas Tech College, Lubbock, Texas. (N) Indicates Night games at 7:30 p.m. All other day games at 2 p.m.

NAME _____ Street No. _____
City _____ State _____

High School Dropouts Pose Problem

Casey at the Bat, in the famous poetic baseball game, had nothing on the high school dropout, Dr. Berlie J. Fallon, a Texas Tech professor of education, has concluded.

Dr. Fallon says that the potential high school dropout usually has two strikes against him by the time the teacher has him in class.

"In the first place, the dropout generally has a hostile home environment, which is one strike against him," Dr. Fallon explained. "The second strike comes when he finds hostility in his other relationships outside the school and home."

"So the school gets to 'throw the last ball,'" Dr. Fallon continued. "And it is generally up to the teacher, whether the student 'strikes out' or gets a home run!"

Dr. Fallon says this is a tremendous challenge to the schools and to the individual teachers; and that it is one they are growing more aware of and continuously meeting.

Dr. Fallon quotes some frightening statistics regarding the school dropout.

"Only slightly more than half of all fifth-grade pupils finish high school; less than two-thirds of those in the ninth grade remain through grade 12."

"Persons lacking a high school diploma are the first to feel the results of the diminishing demand for unskilled labor, and are at the greatest disadvantage in periods of high unemployment."

Delinquency High

"Juvenile delinquency is 10 times more frequent among dropouts than among high school graduates."

"And, what is most unfortunate, communities having a large percentage of dropouts tend to perpetuate this problem. Since the dropout is more limited than the higher educated individuals, he tends to stay in the same place, while the others can and do move to places where the best opportunities are."

"So we find a developing cumulative mediocrity in a community with many dropouts," Dr. Fallon said.

Dr. Fallon describes the "typical" dropout as being about 16 years old; often marking time, waiting to reach the age when he may legally quit school.

"He is most likely to quit between the ninth and tenth or between the tenth and eleventh grades. It is especially likely that he will not return after a summer vacation."

"As a rule the dropout has shunned participation in extra-curricular activities, and he may have failed to become part of a social group within the school."

"Usually his relationships with his teachers and many of his fellow students indicate tension, suspicion and strain. His poor attendance record, lack of interest and failure to cooperate have contributed to his being behind his class."

"His parents are usually unimpressed with the value of education; often they openly scorn 'book learning.' In addition, they might regard school as a financial burden which not only costs something to keep the child in, but also deprives the family of money he could be contributing to the budget."

Overemphasis On School

Dr. Fallon points out that in some cases, however, the parents have tended to put an overemphasis on schooling, making exaggerated demands for high performances and causing the child to rebel and wish to leave school.

In any case, however, Dr. Fallon says that these statistics build a case for personalized counseling and show the importance of the influence of the individual teacher in salvaging the dropout.



DR. FALLON

The teacher can't change the conditions outside of school," he explained. "But she can change some things in this situation."

"Most of the time school is one of the friendliest places, if not the only friendly place the potential dropout knows, even though he may find himself in conflict there, too," he said. "The teacher can capitalize on this, and with a little guidance and understanding, one teacher showing interest can make the difference."

Another aspect of the dropout problem is educating the public to the importance of keeping students in school.

For instance, there are the obvious financial benefits of education — the high school graduate can expect to earn an average of \$30,000 more, over a lifetime, than a high school dropout; his earnings will exceed by \$50,000 those of someone who quits at the end of the eighth grade; a college graduate's income will be \$178,000 higher over a lifetime.

Also, because of the correlation between juvenile delinquency and school dropouts, society has a real interest in encouraging all youth to finish high school.

Classrooms Beat Cells

"It is better — and less expensive — to build classrooms for the boy, than to build cells and gallows for the man," Dr. Fallon warned.

From the personal point of view, as possession of a high school diploma becomes increasingly general, a person without one is at a disadvantage financially, vocationally and socially.

Dr. Fallon sees a great challenge, not only to the teacher, but also to the school, in taking the time to provide the kind of program where the potential dropout can have success.

"This does not imply that they should lower their standards," he said. But rather to realize that there is a limitation to the hypothesis that all students can benefit from strictly academic curricula."

Dr. Fallon says that more vocational training is needed for the type of student who cannot profit maximally from academic curricula, and adds, "Of course, any youngster needs all of the academic curricula he can absorb, but some dropouts will not be able to go too far academically."

He feels part of the answer lies in comprehensive high

schools with the breadth and depth to cover academically talented, those in the middle ranges, and the non-academically talented.

"Once again, teaching is a key to motivation, which is determined by the student's feeling of success or accomplishment. A program is needed that enables every student to go as far as he can go."

Dr. Fallon adds that the teacher is often confined within the boundaries of something called a grade standard, whereby instruction is geared to a standard based on a hypothetical "norm."

"We need to remember that this is a statistical term, not a real person," Dr. Fallon said. "Keeping this 'norm' in perspective helps to prevent punishing the potential dropouts, as well as the talented students, who do not fall into this category."

Encouragement Shown

Dr. Fallon cites, as an encouraging sign of growing awareness of the dropout problem, the work being done by the West Texas School Study Council, composed of 23 area schools and Tech.

The Council is doing a regional analysis on the causal factors of dropouts which will be completed in July.

The survey is designed to find out why the former student dropped out of school, how his schooling helped, current income, the jobs he's held since leaving school and his current occupation and interests.

It is sent to former students of the area schools, beginning with seventh grade classes of the years 1953, 1954, and 1955, and includes dropouts and high school graduates from these classes who did not go to college.

A stamped, self-addressed envelope is provided with each survey, which the former student may sign if he wishes, or remain anonymous.

At the same time schools in the Study Council are doing a self-evaluation, and conducting personal interviews as well as mailings. In all, the study is in greater depth than any particular study of its type conducted in Texas in the past, Fallon said.

In the meantime, the ominous game of "baseball" goes on in the public schools of Texas, with the teacher pitching, the school catching, and the potential dropout always at bat — waiting for the "home run" of success, or the "third strike" that will send him "back to the dugout" and into oblivion.

Fort Richardson Article Published

Donald W. Whisenant, Texas Tech teaching assistant in history, has published an article in a recent issue of the West Texas Historical Association Yearbook.

The article, entitled "Fort Richardson," describes the role that the fort played in frontier defense as the most northern military post on the Texas frontier, from the time of its establishment in 1867 until its abandonment in 1878, when it was no longer necessary.

During its eleven years of existence Fort Richardson had as one of its commanders the renowned officer Randall S. Mackenzie, for whom Lubbock's Mackenzie Park is named.

The fort designed to protect settlers from the wild bands of Indians that occasionally raided the settlements.

Cluseret Possibly Early Communist

A fascinating personality of the 19th Century, who may have been the original Communist roving revolutionary, is being investigated by a Texas Tech history professor.

Object of the research is one Gustave P. Cluseret, 1823-1900, and the inquiring Tech professor is Dr. Lowell Blaisdell, who has been in several European countries digging up additional information on the "culprit."

The wandering Mr. Cluseret was something of an enigma both for historians and for his contemporaries. It has never been proved conclusively whether he was a "champion of the downtrodden," or a complete scoundrel. But a look at the record makes it pretty evident that Cluseret was at least a "professional revolutionist," as well as a professional "patriot"—of several different countries!

After researching Cluseret's life, Dr. Blaisdell is more and more of the opinion that the adventurer was decidedly "on the scoundrel side."

Dr. Blaisdell studied information in London, England, at the British Museum and newspaper collections of the British Museum. He got more information at the Bibliotheque Nationale in Paris, France, and additional insights at the archives in Geneva and Berne, Switzerland, and Turin, Italy.

"I got a lot of information, but a lot of frustration, too," Dr. Blaisdell laughs. "For instance, in Switzerland I couldn't get access to some of the files on all of Cluseret's questionable activities in that country."

"The same was true in Italy for parts of the information," he added. "Especially certain aspects of Cluseret's role in the Risorgimento, when Italy became a united country after the invasion of Sicily and Southern Italy by Garibaldi."

Cluseret did participate in that war, but Italian officials were still reluctant to make available all of the information, though it happened more than 100 years ago.

Cluseret lived during a time when there were many revolutions, and many revolutionists, some of whom were involved out of conviction and others for "what they could get out of it."

Born in France, Cluseret became a naturalized citizen of the United States, fought in Italy, took residence in Switzerland for a time, and finally, became a Frenchman again.

His career began on a normal note, as an officer in the French Regular Army. He had even helped put down a "revolt of the masses" during a French Revolution in 1848.

Dr. Blaisdell believes Cluseret would probably have remained a respectable officer, devoting his time to putting down revolts instead of leading them, had it not been for a "blanket swindle" in 1858.

The blankets of many of the enlisted men had been disappearing, Cluseret was evidently selling them at quite a profit, and in addition, managed to blame an army sergeant for the thefts. The sergeant was cleared and the real culprit discovered, but Cluseret managed to get the story "covered up," so to speak, and got by with only a court martial.

It was at precisely this time that Cluseret suddenly decided to devote his life to "championing the causes of the downtrodden masses!"

There seems little doubt that Cluseret was a clever and beguiling "champion," as evidence by the masses' belief in his authenticity; and by his ability to get out of trouble as quickly as he seemed to get into it.

For instance, in the United States when his activities were questioned, he would ask for a break, because he was a "friendly foreigner in a strange land"; when he was in France, he would get out of trouble by claiming U. S. citizenship!

Cluseret participated in various revolutions of the 19th Century, including the United States Civil War, in which he became a general for the North.

Cluseret even got involved in U. S. politics in the election of 1864. John C. Fremont, the first Republican candidate for President, had run in 1856, and was trying to make a comeback during the Civil War. Fremont ran as an independent Republican against Lincoln, and Cluseret edited the newspaper run by Fremont forces.

In addition to the Civil War in this country and the Risorgimento in Italy, Cluseret participated in a war in Germany and finally, in the "Commune of Paris" in 1871.

In the Paris uprising, Cluseret was the military commander of the radicals, during the same time that Karl Marx was becoming known in London.

Another communist connection is indicated from Cluseret's exile in Geneva, Switzerland, from 1872 to 1878. During this time he wrote his memoirs, including his own "recipe for street fighting." Years later when Lenin lived in Geneva during the 1900's, one of his first acts was to translate Cluseret's memoirs into Russian, anticipating the Russian Revolution.

Even though Cluseret was busy writing while in Geneva, it seems he never got too busy to indulge in a little free, if somewhat questionable, enterprise.

Dr. Blaisdell is convinced that, if it materializes, a book on the life of Cluseret would prove, even to the skeptics, that truth and history are indeed stranger—and more interesting—than fiction!

EX-STUDENT RECEPTION

Texas Tech Exes attending the Red Raider-Texas A&M football game in College Station on October 3 are invited to a special reception. The Bryan-College Station Chapter of the Ex-Students Association will host a reception for all Tech supporters in the A&M Memorial Student Center, shortly before game time. The Student Center is across the street from the football stadium. Chapter President Bill Jackson '53 has announced that Double T's will be distributed to all those attending.

FORT WORTH EXES MEET

The Fort Worth Chapter will have a "family-type" picnic Saturday, September 12 at the Earnest Allen Ranch from 4 to 6 p.m. All Fort Worth Exes and their families are encouraged to attend. Each family is requested to bring their own food.

FOOTBALL FILMS

A number of the Chapters of the Ex-Students Association will be showing films of the Texas Tech Red Raiders' football games each week this fall. Exes interested in seeing the film are encouraged to contact their local Chapter President or the Ex-Students Association Office in Lubbock.

OFFICIAL BALLOT

Note: Representatives from the Association's even-numbered districts shall be elected from the ballot below, according to the students population in each district. Odd-numbered districts will elect representatives in 1965. VOTE FOR THE REPRESENTATIVE IN YOUR ASSOCIATION DISTRICT ONLY. If you are in doubt as to your district number, please check the maps. The persons whose names appear below have been nominated by the nominating committee in each district, but a write-in ballot is provided at the bottom of the page so that you may vote otherwise if you wish. Write clearly your name and address and year of graduation, or year scheduled to graduate. If you use the write-in ballot, place no other mark by his or her name. The name of the candidate appears beside the number of his district.

NOMINEES FOR DISTRICT REPRESENTATIVES TO THE EX-STUDENTS ASSOCIATION COUNCIL

- DISTRICT NO. 2**
(Two Representatives To Be Elected)
- | | |
|-------------------------------|----------|
| () 1. W. E. "Bill" Neill '35 | Borger |
| () 2. David Thompson '58 | Borger |
| () 3. Tom Abraham '32 | Canadian |
| () 4. Bobby Byrd '59 | Wheeler |

- DISTRICT NO. 4**
(1 Representative To Be Elected)
- | | |
|------------------------|----------|
| () 1. Ned Bradley '40 | Floydada |
|------------------------|----------|

- DISTRICT NO. 6**
(2 Representatives To Be Elected)
- | | |
|--------------------------------|-------------|
| () 1. Bruce Zorn '36 | Brownfield |
| () 2. Dr. Berry Squires '44 | Denver City |
| () 3. F. L. Ballard '52 | Levelland |
| () 4. James M. Cunningham '50 | Whiteface |

- DISTRICT NO. 8**
(2 Representatives To Be Elected)
- | | |
|---------------------------|---------|
| () 1. Jim Humphreys '47 | Guthrie |
| () 2. Jack Lott '59 | Post |
| () 3. Al Ray Cooper '36 | Rails |
| () 4. Walker Watkins '30 | Rails |

- DISTRICT NO. 10**
(1 Representative To Be Elected)
- | | |
|---------------------------------|----------|
| () 1. John Tom Baker '51 | Denison |
| () 2. Joe Nichols '36 | Denton |
| () 3. Charles Scaling, Jr. '56 | Bellview |

- DISTRICT NO. 12**
(2 Representatives To Be Elected)
- | | |
|--------------------------|---------|
| () 1. Roy Butler '51 | Andrews |
| () 2. Jack Keen '42 | Andrews |
| () 3. Randy Pridgen '62 | Andrews |
| () 4. Jerry Bell '59 | Lamesa |

- DISTRICT NO. 14**
(2 Representatives To Be Elected)
- | | |
|-----------------------------|--------------|
| () 1. Bob Beckham '56 | Abilene |
| () 2. J. B. Felt '59 | Abilene |
| () 3. James Lauderdale '34 | Abilene |
| () 4. James Snyder '41 | Baird |
| () 5. Wayne Gibson '59 | Breckenridge |
| () 6. James Caldwell | Abilene |

- DISTRICT NO. 16**
(3 Representatives To Be Elected)
- | | |
|----------------------------------|------------|
| () 1. Hugh English '48 | Dallas |
| () 2. E. R. (Gene) Mitchell '34 | Dallas |
| () 3. T. C. Root '49 | Dallas |
| () 4. Earl Seasholtz '59 | Dallas |
| () 5. Mrs. LeRoy Koonsman | Garland |
| () 6. (Toni) Bannister '56 | Irving |
| () 7. Wallace Wilson '57 | Richardson |

- DISTRICT NO. 18**
(1 Representative To Be Elected)
- | | |
|--------------------------------|-------|
| () 1. Dr. Moody Alexander '54 | Odesa |
| () 2. Tom Morris '31 | Odesa |

- DISTRICT NO. 20**
(1 Representative To Be Elected)
- | | |
|--------------------------------|-------|
| () 1. Dr. Moody Alexander '54 | Odesa |
| () 2. Tom Morris '31 | Odesa |

- DISTRICT NO. 22**
(1 Representative To Be Elected)
- | | |
|------------------------------|------------|
| () 1. Bob H. Northridge '52 | Ballingier |
| () 2. W. R. Hickman '43 | Coleman |
| () 3. Bill Pfleger '60 | San Angelo |
| () 4. Max Prestesida '54 | San Angelo |

- DISTRICT NO. 24**
(1 Representative To Be Elected)
- | | |
|--------------------------|-------------|
| () 1. Al Kinchele '59 | San Antonio |
| () 2. Sid Seligmann '61 | San Antonio |

- DISTRICT NO. 26**
(3 Representatives To Be Elected)
- | | |
|--|---------|
| () 1. W. L. "Bill" Adair '50 | Houston |
| () 2. Trent Campbell '32 | Houston |
| () 3. Miss Jerry Denton '57 | Houston |
| () 4. Mrs. E. E. Bell (Pat Cassidy) '59 | Houston |
| () 5. Jack Grundy '34 | Houston |
| () 6. H. H. Hinson '34 | Houston |
| () 7. Mrs. Jack S. McCabe | Houston |
| () 8. (Harriet) Henderson '55 | Houston |
| () 9. C. J. Rollo '30 | Houston |

- DISTRICT NO. 28**
(1 Representative To Be Elected)
- | | |
|------------------------------|----------------|
| () 1. Noah Cunningham '37 | Corpus Christi |
| () 2. George Strickland '56 | Corpus Christi |
| () 3. Robert J. Cavazos '55 | Kingville |

- DISTRICT NO. 30**
(3 Representatives To Be Elected)
- | | |
|------------------------------|-------------------------|
| () 1. Mrs. Tommy Spillman | Enelo, Calif. |
| () 2. Shirley Stephens '61 | North Hollywood, Calif. |
| () 3. Floyd L. Williams '40 | San Diego, Calif. |
| () 4. James Toothacker '35 | San Francisco, Calif. |
| () 5. Dan Dilley '56 | San Francisco, Calif. |
| () 6. Miss Nell Quinn '61 | Santa Barbara, Calif. |
| () 7. Royce Blankenship '49 | Santa Barbara, Calif. |
| () 8. George Wilmoth '49 | Las Vegas, Nevada |
| () 9. Rex Tynes '40 | Seattle, Wash. |
| () 10. Lyndell Sharp '49 | Seattle, Wash. |

- DISTRICT NO. 32**
(1 Representative To Be Elected)
- | | |
|-----------------------------|-------------------|
| () 1. Mrs. Ashley Loftin | Albuquerque, N.M. |
| () 2. (Neta) Morgenso '37 | Clovis, N.M. |
| () 3. Robert D. Echols '59 | Santa Fe, N.M. |
| () 4. Wayne Bowles '50 | Santa Fe, N.M. |

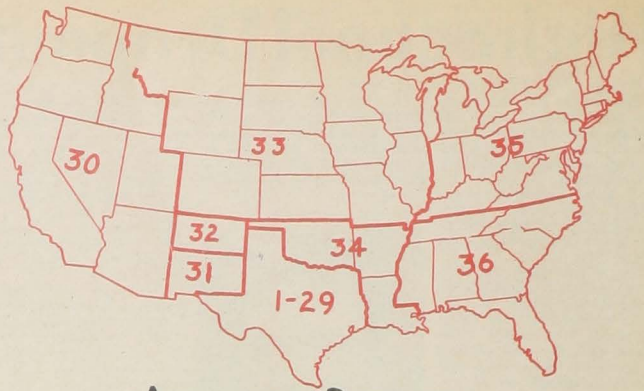
- DISTRICT NO. 34**
(2 Representatives To Be Elected)
- | | |
|------------------------------|-------------------|
| () 1. Mrs. Joyce Burgess | Tulsa Okla. |
| () 2. (Joyce) Sharp '57 | Little Rock, Ark. |
| () 3. Glenn Cary '56 | New Orleans, La. |
| () 4. Conner Russell '37 | Ardmore, Okla. |
| () 5. Roy Butler '49 | Tulsa, Okla. |
| () 6. Eddie Henson '58 | Tulsa, Okla. |
| () 7. Gerald W. Russell '55 | Tulsa, Okla. |

- DISTRICT NO. 36**
(1 Representative To Be Elected)
- | | |
|---------------------------|------------------|
| () 1. Arlon Groves '62 | Huntsville, Ala. |
| () 2. Wilbur Jarrott '58 | Miami, Fla. |
| () 3. Bill Stevens '53 | Jackson, Miss. |
| () 4. A. J. Hewett '29 | Greensboro, N.C. |
| () 5. Don Maddox '34 | Gastonia, N.C. |
| () 6. W. B. Hull '23 | Roanoke, N.C. |

WRITE-IN-BALLOT

Town _____ From District No. _____
Name of Candidate _____
Signed _____
Year of Graduation _____ Or Year With Which You Desire _____
Affiliation _____

RETURN BALLOT TO BOX 4009
LUBBOCK, TEXAS 79409 BY SEPTEMBER 23, 1964



• Association Districts •

THE UNITED STATES is divided into Ex-Student districts in the above map. Districts 1-29 are in Texas, while Districts 30-36 are made up of various other states.

Calhoun Is Prexy Nominee

Frank Calhoun '56, Abilene, was nominated for president of the Ex-Students Association for 1965 by the nominating committee August 8.

The committee also nominated Don Anderson '48, Crosbyton, as first vice president and C. H. Cummings '34, Lubbock, second vice president.

Nominations were made for three directors with terms of three years each. They are: Guion Gregg '41, Dallas; Ralph Davis '34, El Paso; Andy Behrends '51, Amarillo.

The three director nominees will fill the terms of three persons whose terms expire this year. Those directors with terms expiring December 31 are Rob Brown '58, Throckmorton; P. A. Lyon, Jr. '42, Spearman; Julian Simpson '49, Midland.

The committee also nominated District Representatives to the even numbered districts. These nominations appear on the ballot printed on this page.

The nominees for association officers and directors will be presented at the Homecoming meeting of the Ex-Students Council. The Council, composed of the District Representatives, Chapter Presidents, all Past Presidents of the Association, and members of the Executive Board will accept other nomi-

nations from the floor at its fall meeting.

Calhoun, partner in the law firm Byrd, Shaw, Weeks and Calhoun of Abilene, is currently serving as first vice president of the Association. Calhoun has served as a member of the Texas Tech Loyalty Fund Board of Trustees and as second vice president of the Association. For two years he was chairman of the academic recruiting committee of the Association and chairman of the Texas Tech participation in Abilene CLASP in 1961 and 1963.

Anderson, a widely known South Plains farmer, has served as director of the Association for a three-year term and is currently second vice president. He has also served as a District Representative and is currently chairman of the Texas Tech Century Club.

Cliff Cummings '34 is secretary-treasurer of Furr Foods Inc. of Lubbock. Cummings was chairman of the 1963 Texas Tech Century Club and is currently a member of the Texas Tech Loyalty Fund Board of Trustees.

The Lubbock executive is also chairman of the Association's Long Range Planning Committee. Guion Gregg '41 is a well known Dallas realtor. A textile engineering major at Tech, Gregg is past president of the

Dallas Chapter and has served several terms as District Representative to the Ex-Students Association Council.

The Dallas realtor is one of three Tech Representatives on the Cotton Bowl Athletic Association Council.

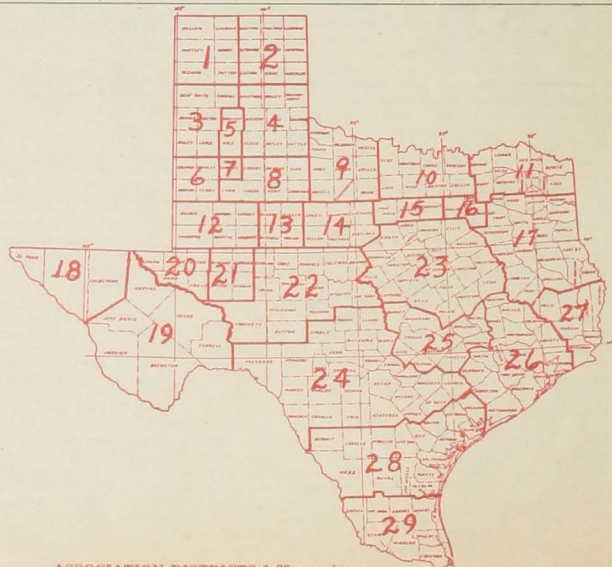
A widely known El Paso architect, Ralph Davis '34, has served a number of years as District Representative to the Ex-Students Association Council and is a member of the Texas Tech Century Club.

Davis is associated with two other Tech Exes in the architectural firm of Davis, Foster and Thorpe in El Paso. This firm has been the architect for a number of buildings on the Tech campus.

Andy Behrends '51, has served the past three years as a member of the Texas Tech Loyalty Fund Board of Trustees.

Behrends is married to the former Kitty Mills '51. At Tech he was president of the sophomore class, the Aggie Club and the Saddle Tramps. He was a member of the Supreme Court and was junior class favorite.

Behrends, who is associated with Travelers Insurance Company in Amarillo, helped organize the Amarillo Chapter of the Ex-Students Association and was president in 1961. He was Tech's chairman in Amarillo CLASP in 1963.



ASSOCIATION DISTRICTS 1-29 are shown in the map above. Districts follow county boundary lines.

Homecoming Set Nov. 20-21

TEX TALKS

Published by Texas Tech Ex-Students Association

NOVEMBER, 1964

VOL. 15 NO. 4



A color picture of the most outstanding float in the 1963 Homecoming parade is presented Miss Jan Weaver, 1964 float chairman of Delta Delta Delta, by Wayne James, executive director of the Ex-Students Association. Miss Weaver's sorority won the award in 1963. The picture was presented at the first float meeting this fall. Looking on is Rollin Herald of Herald Photo. The Ex-Students Association and Herald Photo each year present campus organizations entering a float with a color picture of their entry. In addition to the pictures, Lucian Thomas of Thomas Jewelers presents trophies to the winners of each division.

Tech Board To Seek Med, Dental Schools

Texas Tech's board of directors voted unanimously recently to submit a request to the Texas Commission on Higher Education for establishment of both a school of medicine and a school of dentistry.

The unexpected move was the latest in a series of steps taken during the past year by directors to enlarge the scope of the college's academic activities under an "eight year program of progress."

Manuel DeBusk, director from Dallas, made the motion to seek the medical school, and it was given a second by director Al Allison of Levelland.

DeBusk said "Texas Tech should submit a request to the Commission of Higher Education for a school of medicine. The board recognizes," DeBusk continued, "that time is short and a condition of emergency exists. The request should be submitted with reasonable speed," he added.

Allison declared "the time for action is now, and we must seek the medical school to keep pace with the educational needs of our area and state."

Location Not Mentioned

There was no mention in the brief motion of where the medical school, if approved, would be located.

It is not mandatory that such a facility be located on the "mother campus" of the parent educational institution.

Medical schools in Texas, or elsewhere, usually are located in a community which has an operational county hospital, which treats indigent patients, to allow intern training programs

and on-the-spot teaching instruction.

In other action the board:

1. Approved completion of the south portion of the library basement, expected to cost approximately \$87,000;
2. Delayed discussion on campus parking problems until a study can be completed;
3. Postponed final approval of the written board policy, and
4. Heard a comprehensive report from Dr. Gerald W. Thomas, dean of the school of agriculture.

Earlier this year the board listed numerous schools such as law, pharmacy and others which would be taken to the Commission of Higher Education with requests for approval.

At that time a school of medicine was discussed, but there was an indication that the request would be delayed.

Only First Step

By voting to go to the commission, the Tech directors have taken only the first step in what could be a long process.

However, as Allison told the board, "we must act and act

(Continued on Page 4)

'Old 401' Is Here At Last

The historic Burlington Line's Fort Worth and Denver engine No. 401 and its tender was presented to the West Texas Museum for permanent display recently in a ceremony on the Tech spur.

The oil-burning steam locomotive, built by the Baldwin Locomotive Co. in 1923, was donated by the Burlington Lines of Texas.

H. C. Murphey, Burlington president, made the official presentation to Mark Hailey, West Texas Museum president.

E. L. Simmons, Burlington president in Texas; W. E. Juge, Burlington freight traffic manager; and other local railroad officials were present along with Tech officials and board members and members of the museum board. Santa Fe Railroad officials were also invited.

Tech Board Chairman Wright Armstrong of Fort Worth is a former vice president of the Fort Worth and Denver Railroad.

The Tech spur is located west of the coliseum.

C.B. Thornton To Be Speaker At CC Dinner

The big news is out! Texas Tech Century Club members will hear no less a personage than the honorable Charles Bates "Tex" Thornton '35, chairman of the board of Litton Industries, when they attend the fourth annual dinner meeting of the organization on Friday night before Homecoming.

Thornton follows three other nationally known speakers for the distinguished organization. Previous speakers have been the Honorable Lyndon B. Johnson in 1961, Congressman George Mahon in 1962 and national television newsmen Frank Blair in 1963.

The Texas Tech Century Club is an organization of ex-students and friends of the college which was founded May 10, 1961, to aid and support Texas Technological College and its programs for its students, ex-students and the state.

"The objective of the club is to serve Tech, to promote scores of persons not supporting the college in a manner commensurate with their means to give a large measure, to form a broad solid base from which the annual Loyalty Fund will extend upward, and to gain proper recognition for Texas Tech College on a state wide basis," Wayne James, executive director has pointed out.

There were 130 charter members of the Texas Tech Century Club in 1961. Membership has continued to grow until there are now more than 200 members.

Membership is accorded those who contribute \$100 or more per year to the Texas Tech Loyalty Fund. Any amount already given to the 1964 Loyalty Fund can be counted towards Century Club membership, according to the club's constitution.

(Continued on Page 3)

Festivities Start Friday

A memorable time indeed awaits all exes who return to the campus for the 1964 Homecoming, scheduled for November 20 and 21.

With a record enrollment of students the annual Homecoming observance is expected to be one of the best yet, both in number of students participating and in activities planned, ex-student leaders have announced.

Homecoming will officially get underway at 10 a.m. Friday, Nov. 20, with a meeting of the Ex-Students Association Executive Board and the Texas Tech Loyalty Fund Trustees.

At noon Friday, all past presidents of the Association will meet for a luncheon.

The Student Homecoming Committee will be honored guests at a luncheon given by the Executive Board and the Loyalty Fund Trustees.

Following several luncheons at 1:30 p.m. will be the annual meeting of the Ex-Students Association Council in the upstairs ballroom of the Student Union. The main item of business will be the election of Association officers.

Also at this annual business meeting policies for the coming year will be set. Members of the Ex-Students Council are those representatives from the 35 Association districts over the U.S., chapter presidents as well as past presidents and executive board members. President Floyd Read will preside at the meeting. All exes are invited to attend the meeting.

Promptly at 6 p.m. the fourth annual dinner meeting of the Texas Tech Century Club is scheduled for the main ballroom of the Student Union. Charles Bates "Tex" Thornton '35, chairman of the board of Litton Industries, will be featured speaker at the dinner.

Honored guests at the dinner will be those members of the

(Continued on Page 2)

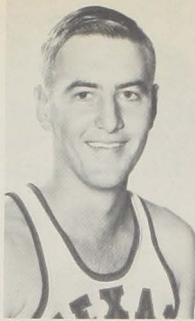
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EX-STUDENT ASSOCIATION
Texas Technological College
Lubbock, Texas

BULK RATE
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Lubbock, Texas



Coach Gene Gibson



Dub Malaise



Harold Denney

BB Outlook Appears Good For New Season

By JOE SNEED
Toreador Sports Editor

With four starters and two returning all-conference choices, Texas Tech's Red Raiders are set to begin the SWC basketball race a slight favorite to come out on top of the heap.

The title chase should be a good one, with defending champ Texas A&M, Texas, SMU, and Tech all scheduled to be in the thick of things.

Last year Coach Gene Gibson's Raiders came up with a 16-7 season's record, and a second place finish in the conference at 11-3.

Harold Denney, 6-8 center, and Dub Malaise, a 5-11 guard, were both on loop-all-star squads last season, and both are back.

★ ★ ★

Denney, an Amarillo senior, averaged 17.5 points a contest last time out. Malaise had a 15.6 average.

The other returnees are Norman Reuther (6-6, 13.2) and Glen Hallum (6-5, 11.9).

Two other lettermen, Russ Wilkinson and Royce Woolard, are also back.

Tom Patty, who averaged 13.9 points a game, is the only graduated starter.

Tech will open the '64-'65 campaign Dec. 2, against McMurry in Lubbock. New Mexico, Arizona, Wyoming, Oklahoma, Nebraska, and Colorado will all furnish non-conference opposition before the Sugar Bowl Tournament in New Orleans, Dec. 29-30. With the Raiders in that one will be Vanderbilt, Georgia Tech, and Louisville.

Southwest Conference competition gets underway Jan. 5, when Tech travels to Austin to take on Texas.

Last game out of league competition for the Raiders will be the Phillips 66ers in Lubbock Jan. 16.

Basketball Schedule

Dec. 2	McMurry	Lubbock
Dec. 5	N. Mex.	Albuquerque
Dec. 7	Arizona	Tucson
Dec. 12	Wyoming	Lubbock
Dec. 16	Oklahoma	Norman
Dec. 19	Nebraska	Lubbock
Dec. 21	Colorado	Lubbock
Dec. 29	Sugar Bowl Tournament	New Orleans
Dec. 30	Sugar Bowl Tournament	New Orleans
Jan. 4	Texas	Austin
Jan. 9	Arkansas	Lubbock
Jan. 16	Phillips 66ers	Lubbock
Jan. 26	SMU	Lubbock
Jan. 30	TCU	Fort Worth
Feb. 2	Baylor	Lubbock
Feb. 6	Rice	Lubbock
Feb. 9	A&M	College Station
Feb. 13	SMU	Dallas
Feb. 16	Texas	Lubbock
Feb. 20	Rice	Houston
Feb. 23	Baylor	Waco
Feb. 26	TCU	Lubbock
Mar. 2	Arkansas	Fayetteville
Mar. 4	A&M	Lubbock

35 Local Officers Attend Waco Chapter Conference

More than 35 Ex-Student chapter officers from throughout Texas attended the Third Annual Chapter Officers Conference at the Holiday Inn in Waco, October 17.

Kenneth P. Dowell '44 of Dallas, presided over the conference which was kicked off with registration at 1 p.m.

The conference was divided into two major sections. The title of the first section was "The Importance of Texas Tech and the Ex-Student." Title of the second section was, "The Influence of Your Chapter and You."

Dr. W. M. Pearce '34, vice president for academic affairs at the college, gave the major address of the conference. Dr. Pearce spoke of the college's plans for the future.

Frank Calhoun '56, Abilene, first vice president of the Ex-Students Association, spoke on the "Objective of the Association."

The Fort Worth chapter officers were in charge of refreshments between the two sections. Joe France '49, Tyler, vice president of the East Texas chapter, spoke on "Successful Chapter Operations."

"Outstanding Chapter and Ex-Student Activities" was the title of a talk given by Wayne James '57, executive director of the Ex-Students Association. James discussed more than 50 different projects currently under way by different Ex-Student chapters.

Pat Thurman '50, Austin, spoke on "Chapter Financing and Special Projects."

Following the adjournment at 5 p.m., the group attended a reception and buffet supper, sponsored by the Ex-Students Association Office.

More than 450 Tech exes and friends ate at the buffet and several hundred more attended the reception prior to the Texas Tech-Baylor University football game.

Greeting those arriving early to attend the conference were the words, "Welcome Texas

Tech University" on the Holiday Inn's marquee.

Assisting Dowell and James in planning the conference was Bill Bales '53, Tyler, co-chairman of the Association's Chapter Relations Committee.

Assisting in a hospitality room for the wives of those attending the conference was Mrs. Marion Crow, Houston; Mrs. Ken Dowell, Dallas; Mrs. Pat Thurman, Austin; Mrs. Charles Stokes '40, Garland; and Mrs. Kindy Lawler '53 of Tyler.

Is This Newspaper Addressed Correctly?

A new postal ruling now in effect more than doubles the cost of having mail returned to our office because of an incorrect address. This increased cost — from 2¢ to 10¢ — means that it is vitally important for us to keep our mailing list up-to-date.

Will you please notify the Ex-Students Association of any change of address or box number so that these additional charges can be avoided? Your cooperation is most urgently requested.

Pantex Group Renews Grant For Research

The Pantex P.R.I. Registered Bull Sale Assn., made up of 28 operators who have beef cattle at Tech's Killgore Beef Cattle Center here, voted to renew a \$1,591 research grant to be used by a Tech graduate student at the Center.

Paul Dauer, Panhandle rancher and treasurer of the group, announced the renewal for the third consecutive year and presented the check to Dr. George F. Ellis, manager of Tech's research farm and the Killgore Center.

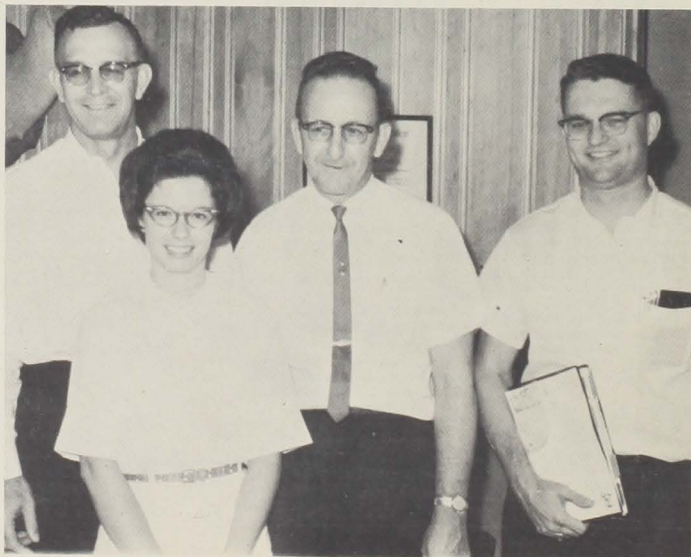
"The cooperators are happy to make this grant available to further research at the Center," Dauer said in presenting the grant.

Dr. Ellis said the money will be used to finance a graduate student in animal husbandry from Tech to conduct research at the Pantex research farm relating to beef cattle improvement.

"The plans call for this graduate student to take graduate level courses on the main Tech campus in Lubbock and conduct all his research at Pantex," Dr. Ellis said.

Dr. Gerald W. Thomas, Tech agriculture dean, made the official acceptance address for the college and called the grant a great step forward and an aid to the cattle industry.

"The two other student assistants who have received this grant in the past have benefited greatly from them," Dean Thomas remarked. "In fact, the first recipient received his Ph.D. degree as a direct result of this grant."



Houston Chapter Officers

Houston Chapter officers are, left to right, Marion Crow, president, Mrs. Phyllis Mason, Bill Lemons and Bill Adair. The chapter plans a Theater Party for Wednesday night, Nov. 18, at 8:30, and will view the famous musical, "My Fair Lady." Exes living in the Houston area wanting additional information may contact the president, 5118 Briarland, PA 3-1022.

Homecoming

(Continued from Page 1)

Tech faculty and staff who have retired during the past year.

The spirits of the students as well as those of the exes are expected to soar with the giant pep rally at 7:30 p.m. Friday, Nov. 20, at the Southwest Conference Saddle Tramp Circle. These pep rallies, held around a huge bonfire with thousands of students chanting the college yells and songs, are colorful and something that will send the old school spirit coursing through the veins of any ex attending.

Just after the pep rally, at 8:30 p.m., the Homecoming Queen will be crowned in front of the Science Building, on the library parking lot. Her identity will not be revealed until the actual coronation ceremonies.

Classes of 1945-64 will hold their reunions in the Student Union Building at 9 p.m. following the queen coronation, and at 9:30 p.m., the classes of 1925-45 will meet in the Caprock Hotel in downtown Lubbock for a get-together. All members of these classes are urged to attend their reunions and greet old friends and schoolmates.

The annual Homecoming parade, always an extremely colorful event, will usher in the Saturday Homecoming activities. The parade will start at 10 a.m. in downtown Lubbock and proceed out Broadway, finally breaking up at the campus entrance.

Four Lubbock business firms will be hosts to a huge ex-student luncheon at 11:30 a.m. in the Municipal Coliseum, providing lunch for those exes and their wives, husbands or dates who wish to attend. Sponsoring merchants are Furr's Cafeteria, Furr's Super Markets, Dunlap's and Frontier Stamps.

The day's climax will be the 2 p.m. meeting of Texas Tech and Arkansas on the gridiron of Jones Stadium.

All exes are asked to register in the Student Union or at one of the downtown hotels. By so doing they will be given a complete schedule of all homecoming activities including those of the Greek organizations and other private groups.

If you haven't already made plans for attending homecoming, do it now, you won't regret it!

Calhoun Up For Top Job In Exes Group

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The committee also nominated Don Anderson '48, Crosbyton, as first vice president and C. H. Cummings '34, Lubbock, second vice president.

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The Lubbock executive is also chairman of the Association's Long Range Planning Committee.

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The Dallas realtor is one of three Tech Representatives on the Cotton Bowl Athletics Association Council.

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Behrends is married to the former Kitty Mills '51. At Tech he was president of the sophomore class, the Aggie Club and the Saddle Tramps.



Houston Chapter Past Presidents

Past presidents of the Houston Chapter are, left to right, Bowen Dulaney, Harold Pilcher, Royce Hopkins, and Mrs. Marion Crow. Mrs. Crow's husband is currently chapter president.

Thornton Is Century Club Speaker; Heads Litton

(Continued from Page 1)

cording to Century Club Committee chairman Don Anderson of Crosbyton.

Anderson also pointed out that each gift of \$100 to the Texas Tech Loyalty Fund for Century Club membership is tax-deductible.

Money from Century Club memberships have enabled the Ex-Students Association to set up a loan fund for students needing money to complete their education, money for the proposed entrance marker to the campus, recruitment of outstanding high school graduates and graduate scholarship awards for honor graduates at Tech.

The Century Club dinner, set for 6 p.m. Friday, November 20, in the ballroom of the Student Union, will honor those faculty and staff members who have retired from the Tech staff during the past year.

Charles Bates "Tex" Thornton has come a long way since his undergraduate days at Texas Tech in the 1930's.

Thornton was in Lubbock recently to dedicate a new electronics plant — another branch of the sprawling Litton Industries, Inc. which he heads.

He took time to reminisce a bit about Lubbock in the thirties — "I guess there were about 25,000 — maybe 30,000 people here then. I was a student at Tech. The town sure has changed."

Thornton then described his visit to Washington, D.C., in 1934 and his meeting with George Mahon, then serving his first term in Congress.

"He (Mahon) helped me out. I made enough money to go to night school at George Washington University. We've been friends ever since, and he's been after me for years to put in a plant here — and here we are."

Litton's branch plant in Lubbock will be the 88th segment of a complex which almost covers the globe. In its ten years of existence sales have risen from \$9 million in its first full year to an estimated \$540 million this fiscal year.

Profits have grown from \$436,000 to about \$22 million this year. Its assets have shot up from \$7.6 million to \$333 million.

Tex Thornton's growth started before his association with Litton.

A B.A. student, he helped introduce modern management controls into the Air Force during World War II. After that came a stint at Ford where he aided in setting up a group that became the famous Whiz Kids,

of whom the most well-known member was, of course, Secretary of Defense Robert McNamara.

From Ford, Thornton traveled to Hughes Aircraft as vice president and assistant general manager. In five years he helped to push the company from \$2 million to \$200 million sales, making it the leading supplier of advanced military electronics.

In 1953 Thornton struck out on his own with two young Hughes executives. With Tex doing most of the talking, they got backing of \$1.5 million which they invested in a highly profitable, though small, California firm producing micro-



"Tex" Thornton

wave tubes — Litton Industries.

The trio pushed out in two directions. They began developing inertial guidance systems, radar, and computers in their own labs, and they took off on an acquisition program that brought in ten electronics companies during the next four years.

After 1955, Litton activities roughly followed "the plan" devised by Thornton and group to mark down the specific areas Litton wanted to enter.

Included in these areas are business machines and medical electronics and fields where, according to Tex Thornton, "we can capitalize most on the new technologies."

Through exchange of stock and cash, Litton purchased Monroe Calculating Machine Company. With Litton backing, the calculating machine company acquired six more firms in two years. Today the complex of firms can produce everything used at the point of sale except the money that goes into the cash register. It builds cash registers, calculators, tags, tie-

kets, labels, adhesives, office equipment, office furniture, and trading stamps.

Thornton and the director of this new area see eye-to-eye on the wisdom of staying away from the big general-purpose computers and of concentrating on small machines.

The result of this wisdom is evidenced by the group's rapid growth.

During the aforementioned period, Thornton was far from idle. He acquired several more electronic-component firms and two survey companies. He also purchased several companies such as Time Facsimile Corp. from the New York Times and the Westrex Corp. from Western Electric, a maker of movie and photographic industry equipment.

This move gave him a network of overseas sales offices as well as foreign plants. To all this he added two German manufacturing companies which make medical electronic equipment and marine navigational equipment. These moves gave Litton Industries a plant in which to produce inertial navigation systems for military aircraft of NATO countries.

All this now appears to be but a preliminary for still a more remarkable development. In 1961 the company purchased the country's third largest private shipyard.

Thornton and Litton Industries is now waiting for the day when the Navy learns that it is cheaper to allow a private firm to build its submarines and also install and build all the weapons systems, navigational equipment, and the myriad of electronic devices necessary. What company can do this? Litton Industries of course!

Litton is also casting its eye toward underwater exploration and the many opportunities therein. As usual Thornton and Company are prepared, owning a geophysics firm, and a shipbuilding outfit. Electronics, again, are indispensable and Litton sits on top of the heap in this field.

All this leads one to chuckle and yet see the veracity in a Wall Street wit's recent comment, "at its present rate of growth Litton Industries will cover three-fourths of the earth by 1970."

Whether or not this prediction ever proves true, one can safely bet that Charles "Tex" Thornton is going to make a great name for himself in world industry and at the same time aid in carving an even more respected position for Texas Tech.

'Dink' Wilson New 'Raider; Thrills Fans

Paul Revere's fabled midnight ride summoned early colonists to arms. "Dink" Wilson's rides during Red Raider football games send Texas Tech fans into a mild frenzy.

"Dink," whose birth certificate reads Douglas L., is the slightly built young man who has donned a glittering red suit, vest and cape, and black mask and hat to become this year's Tech Red Raider. As such, he storms into the stadium aboard a jet black stallion just ahead of Raider gridders before each half of the game begins.

Wilson, a junior from Matador, majoring in range management, has made the Dean's list two times, but you'd never get the impression he is an "egghead." He looks like and talks like a professional cowhand... which is what he becomes each summer.

As a break from nine-months of schooling, "Dink" normally works for a Midland rancher. His assignment is to "break" horses, or tame them so they can be ridden. He claims to have been doing this sort of thing since childhood on his father's ranch near Matador.

"Dink" was tapped to be this year's Red Raider during registration for the fall semester by Dr. Ralph M. Durham, head of animal husbandry at Tech. Though he won't admit it, "Dink" was picked because of his superior ability to handle horses.

Charcoal Cody is on loan to Tech from Lubbock western wear czar Bill Price. Cody stood in for the Red Raider's official mount, Tech Beauty, during last year's Tech-Texas A&M game in Lubbock after the Aggies had "borrowed" her prior to game time.

When Beauty died last spring, Cody again filled in.

"Charcoal Cody is a real good horse," Wilson says of the mount he rides each week as Red Raider. "He's easy to control and really likes to run."

After "Dink" makes his dash-riding ride before the game begins, he and Cody roam the sidelines and end zones of the stadium in which the Raiders are playing. The horse and rider are favorites of young children attending the games.

The Matador native hesitated briefly when asked how he would sign any autograph requests should they come.

"I guess I'd just sign 'em 'Dink' if anybody ever wants one," he replied with a grin.

"Dink's" ringside seat aboard Cody could hardly be called "50-yard line" but it is frequently close to the action.

"Dink's" parents are Mr. and Mrs. Jinks Wilson of Matador. Though his father is currently Sheriff of Motley County, he plans to return to full-time ranching in January, 1965, when his term of office expires.

"Dink's" first ride as the Red Raider was against Mississippi State in Jones Stadium. This was Cody's second appearance as the Raider's mount.

"I was a little nervous at the barn before the game but at the stadium I was too busy to worry about anything," he admitted. "Cody did a good job and wasn't bothered by the cannon, the band music or the crowd."

As this year's masked rider, "Dink" has a busy schedule ahead. He will accompany the Red Raider gridders on all road trips, rides in the Tech Homecoming parade and then make his final appearance at the Tech Intercollegiate Rodeo in April.

Tech Phones Improved

Telephones have come a long way on the Tech campus in the last three years.

It used to be that there were no individual room phones in each room. Instead, there was a lone telephone available for each wing.

Whenever there was a call for a campus resident, the dorm switchboard operators buzzed the needed room with a pre-arranged signal, and the person receiving the call would trot down to the telephone.

Then, just several million telephone dials ago, an on-campus dialing system was installed and each room was updated with its own communications system.

"Naturally, intra-campus telephone communication among 7,147 students is a problem," said Guy Moore director of residence halls, "but it is definitely a great improvement over the past.

Improved System

Now, after two years of working with the new system, college officials have improved the organization even more to take care of the increased number of telephone users.

"Just last year, the local telephone company conducted a survey on campus to determine the telephone needs of the student body," said John Taylor, college business manager, "and more phone lines and circuits have been provided."

There are 3,674 student telephone stations and 600 administrative phones. Counting extensions, there is a total of 4,677 telephones on campus.

24 Operators

This number is handled by 24 operators, both full and part-time workers, who man nine switchboards on campus.

Through these switchboards are routed all the on-campus calls, plus another 192 trunk lines for calling off-campus or for other persons to call to the campus.

These trunk lines are divided into 90 two-way lines, 100 "out-dial" lines and two long-distance lines. Fifty-two of the lines were added this year to supplement 16 lines which were added to the system last year.

For on-campus use, the phones are organized in groups of 200, with switching gear provided so that a certain number in each group can use the phones at the same time.

After last year's improvements, the number in each group that can phone at the same time is 20. Previously, the number was 15, but last spring's survey indicated that a 17 or 18 capacity was needed.

The campus telephone system is in operation from 7 a.m.-11 p.m. daily, with some of the administrative and office phones set on a 24-hour basis. When a telephone is needed on an emergency basis in the early morning hours, the phone can be activated by dialing "Operator."

About Lengthening Hours

Each year since the phone system was installed, the question has come up about lengthening the hours the telephones could be in use.

However, each year the women residents on campus, through the Women's Residence Council, have voiced the opinion that the cut-off time should remain at 11 p.m.

"There are probably several reasons for this," said Taylor, "but the main reason is because the girls usually want the hours after 11 p.m. for study and sleep without being disturbed by the phone ringing at all hours—usually it is just the men students who want the hours increased."



Dallas Chapter Officers

Left to right is Charles G. Stokes, president; Wallace L. Wilson, '57, Irving, 2nd vice president; Scott G. Arbuckle, '57, Richardson, 1st vice president; Mr. and Mrs. James Hurburt, '60, Richardson, secretary and treasurer.

Board Requests Medical Facilities At Texas Tech

(Continued from Page 1)

fast if we want to be in the picture on this matter."

The meeting was the first at which Fort Worth's Wright Armstrong has presided since he became chairman.

The meeting lasted only two hours, and there were only 15 items on the agenda. The school of medicine or the school of dentistry were not on the formal agenda.

Directors approved several recommendations of the Academic Programs Committee.

Included were changes in the titles of degrees from both the Department of Music and the Department of Education and Philosophy.

Buildings Accepted

Final acceptance was made of several campus buildings.

The library completion includes plastering the walls, tiling the floor and installing a false ceiling in the basement area.

Completion of the new area would mean better facilities and larger area for the library's reference section.

The firm of Pitts, Mebane, Phelps & White, who designed the library, will supervise the completion at a fee of 1½ per cent.

Directors commented only briefly on the campus parking situation.

"Ports Of Entry"

At the last board meeting a tentative proposal was discussed for installation of "ports of entry" to the campus.

Several directors voiced objection to the idea at that time, and when director Wilmer Smith, New Home, reported on that phase of the Campus Plan-

ning Committee agenda, he said only that "additional study is being made and time is needed for it to be completed."

Directors approved a request by the City of Lubbock to expand the electrical substation at the rear of the Meats Laboratory in order to provide the additional needed capacity.

A resolution honoring the memory of Richard E. Carmon, faculty member who was killed in a hunting accident recently, was approved.

Water Report Given

Dean Thomas, who recently returned to Tech from an academic leave during which he participated in a special study for the U. S. Department of Agriculture, gave directors a report on the status of the West Texas Water Institute.

Thomas visited more than 13 states while associated with the Cooperative State Research Service.

Agricultural research has been one of the key factors in the development of America's "fantastic agricultural industry—an industry which is the envy of a predominately hungry world," Thomas said.

Agricultural Research

He pointed out agricultural research was tied to agricultural colleges—"thus the pattern for progress has been set, research associated with resident instruction and later expanded to include public service or continuing education."

Thomas declared "our research programs at Texas Tech are woefully inadequate in view of the present-day requirements of higher education."

He pointed out none of the institutions he visited are faced with "such a serious shortage

of funds or facilities for research."

No. 1 Problem Cited

"This deficiency, I believe, is our number one problem in building a major university here in Lubbock," Thomas declared.

He said Tech should "look toward national trends to get support for an adequate research program."

"A starting base of state-appropriated funds, participation in activities qualifying for federal grants or contracts and positive support from private industry," were listed as the trends.

"We must first demonstrate our capabilities and publicize our needs," he added.

Tech In Top Ten

Thomas said in terms of undergraduates, "we are now in the top 10 in the United States. However," he continued, "we are still not competing with the glamour of the space age (in agricultural schools)."

He added that agricultural school leaders feel that "we are not getting our fair share of the best (student) talent."

Other than the "space age," he listed the declining number of farms, a poor conception of the total agricultural industry which encompasses suppliers, processors and distributors, lack of knowledge of the scientific requirements of agricultural production and college admission policies as reasons for a lack of student talent.

System In Difficulty

He told directors the trimester system at Florida State University "was in difficulty."

Thomas added he felt Tech "has not accepted its full responsibility for training and encouragement of foreign students."

Present for the meeting were Armstrong, Allison, DeBusk, Smith, Roy Furr, Lubbock, J. Ed McClaughlin, Ralls, Harold Hinn, Plainview and Dallas, and Charles Mathews, Dallas.

Board member Herbert Allen, Houston, was absent because of illness.

Members of the college's administrative staff also attended the session in the president's office.

Ever Notice Inscriptions To Great Men?

The inscriptions on the Texas Tech Administration Building, built in 1924, serve a purpose—that purpose being to give students who daily go to and from the building a sense of awareness of the great men and institutions of our country and society. They are not there purely as decorations.

Did you ever notice the sculptured heads of great Americans on the north side of the building? On the right side of the entrance are sculptured heads of five great men in Texas history—Sam Houston, Stephen F. Austin, David Crockett, Albert Sidney Johnston, and James Stephen Hogg.

The five busts on the left are those of outstanding men in American history—Christopher Columbus, George Washington, Abraham Lincoln, Robert E. Lee, and Woodrow Wilson.

First In Texas

According to the Dallas News of Nov. 28, 1924, these were the first public memorials in Texas to any of these great men except Robert E. Lee.

What could better adorn the administration building of any institution of higher learning than memorials to men who helped make America great and able to have educational facilities for its citizens.

The dignified old building has yet more to catch the student's eye, inscriptions and plaques that describe the foundations of the American society and the purposes for which Tech was instituted.

These words of Mirabeau B. Lamar, a great Texan and educator, are found to the left of the main entrance: "Cultivated mind is the guardian genius of democracy; It is the only dictator that freemen acknowledge, the only security freeman desire."

Words from Solomon adorn the right side of the main entrance: "Righteousness exalteth a nation but sin is a reproach to any people."

Six Flags Inscribed

Also inscribed on the north face of the building are the six flags under which Texas has been governed, the seal of the college, and four revered institutions of the American society—home, state, church, and school.

Other inscriptions that add to the character and magnificence of the building are those of the seven subjects that Texas Tech was designed to teach—agriculture, science, manufacturing, democracy, homemaking, art, and literature.

Found on the front are the seven educational products which Texas Tech is designed to bring forth—patriotism, religion, industry, virtue, wealth, enlightenment, and citizenship.

Names Of Great Men

At the rear of the building over the arches that form the cloisters are found names of great men of all times and all nations who were leaders in the world of arts and sciences.

Here are the names of Beethoven, Paul, Hippocrates, Shakespeare, Homer, Aristotle, Pestalozzi, Newton, Pasteur, Gladstone, Franklin, Edison, Plato, Burbank, and Michael Angelo.

The Tech administration building is more than just a structure of stone and concrete. The planners of the first buildings felt that such inscriptions and memorials would add to the character of the knowledge-hungry men and women who would see them every day.

This newspaper is mailed to each Ex-Student, whose name and address appears in the Ex-Students Association files. Cost of its publication and mailing charges are paid by contributions to the Texas Tech Loyalty Fund.

Are you a current contributor to the Loyalty Fund or are you depending on some other Ex-Student to make a gift thereby making it possible for you to receive this newspaper?

Scenes From Class Of '39 25th Reunion



Group at reception before the dinner.



The dinner was good!



Resting those feet.

This group
had so much
fun they are
ready to do
it again!



Joe Alford, class of '39 president.



Arch Lamb, master of ceremonies.



They listened and visited.



President's Hostesses.



Old friends get together.

Copies of these photographs may be ordered from the Ex-Students office.

For 5 x 7 size send \$1.00 plus 25c for postage.

For 8x10 size send \$1.50 plus 25c for postage.

St. Albans Chronicled By Tech Prof

A Texas Tech history professor has played a part in the commemoration of an event that took place 100 years ago and 2,000 miles away—a Confederate raid on St. Albans, Vt.

Dr. Oscar A. Kinchen, long-time Tech history professor, published a book in 1959 called "Daredevils of the Confederate Army," the little-known story of the St. Albans raiders.

He was contacted by the St. Albans Chamber of Commerce and invited to participate in that Vermont town's centennial commemoration of the event, which was New England's only Civil War action.

Local historians, and some state and national officials, gathered in St. Albans Aug. 28 and 29.

Main speaker Aug. 29 was the noted writer and historian Dr. Walter Ross Livingston, who was Dr. Kinchen's friend and teacher at Iowa University many years ago.

Dr. Kinchen dedicated his 1959 book to Dr. Livingston, who is now a member of the history department at Creighton University in Omaha, Neb., where he specialized in British Empire history.

The original St. Albans raid involved a band of 21 young Confederate soldiers, led by a gallant young rebel theology student from Kentucky, who crossed the border from Canada and settled in Vermont in the fall of 1863.

The young men, in civilian clothes, made themselves well-known to the people of St. Albans, resided in the best hotels, courted the young ladies of the community and made friends with the townsmen.

Several days later their leader, Bennett Young, ordered the men to "take possession of the town in the name of the Confederate States of America."

They looted the banks of more than \$200,000 in greenbacks and Federal bonds; harangued the bank officials about Federal atrocities in the South; and compelled their cringing listeners to swear allegiance to the South.

After terrorizing the townspeople, they mounted stolen horses and began to ride away.

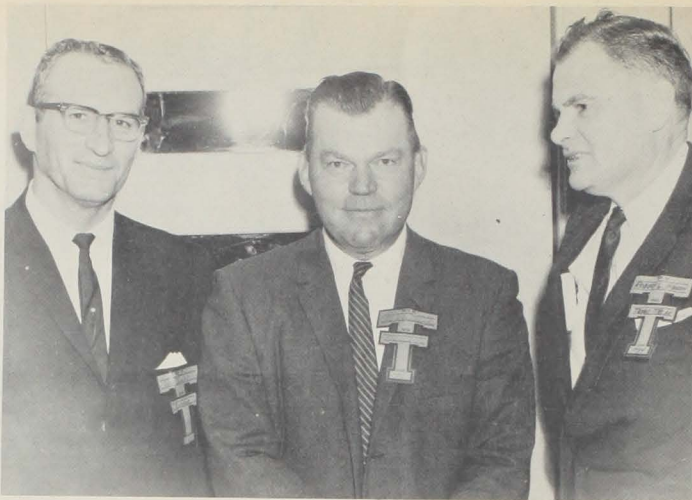
As they prepared to leave, they attempted to burn the town by throwing bottles of "Greek-Fire" against the walls. At the same time they began firing their pistols in all directions, wounding several citizens.

While bent upon revenge for alleged atrocities committed by Union troops on the South, the rebels' larger purpose was to engender such a panic of fright along the northern frontier that a large number of Federal troops would be drawn away from the Southern battles to guard the Canadian border.

In this they were successful. Dr. Kinchen reports, "Within a matter of hours news of the raid, grossly exaggerated as it spread through Northern States, had gone out on the telegraph wires to all the principal cities and towns within the border states."

However, though a small number of Union troops may have been withdrawn from the Southern front to 'defend' the northern frontier, the action was too late to have any important bearing on the course of the war."

A fictionalized version of the St. Albans action was produced in a movie called "The Raid," starring Van Heflin, Richard Boone, Anne Bancroft and Lee Marvin.



These three were members of the Class of 1939 which recently celebrated their 25th anniversary with a program at the college. Left to right is Dean of Men Lewis Jones, John H. Baumgardner and Robert L. Mason, all on the Tech faculty.

Dads Name Langford, Wooldridge To Hall

Both of this year's inductees into Texas Tech's Athletic Hall of Honor lettered in football the hard way—by playing varsity ball without high school or freshman grid experience.

Charles Wooldridge of Dallas and George Langford of Lubbock were formally inducted into the Hall during ceremonies on Oct. 24. In addition, they were recognized at the Southern Methodist-Texas Tech game here that night.

Despite late starts in football, both have kept up a lively interest ever since. Wooldridge recently completed a two-year term as president of the Cotton Bowl Association—he's now board chairman—and Langford served ten years on Texas Tech's Athletic Council.

Wooldridge was too small at 127 pounds to play football for Dallas' Bryan Street High School where his brother Floyd was a star athlete.

Brothers Came

E. Y. Freeland, Tech's first athletic director, wanted Floyd as a broad jumper—he'd won the Dallas city title—and offered him a working scholarship, table waiting. Floyd wouldn't accept unless Charles was given a similar deal, so both went.

Floyd made the Matadors a top hand immediately on the gridiron. Charles waited tables—and grew to 185 pounds, confining his athletic activity at first to tumbling and boxing. He won the college's light-heavyweight title.

In Charles' third year he went out for intramural football and helped his Engineer team win the championship. He then was invited to go out for the team and went on to win two letters at fullback, in 1928 and 1929.

Wooldridge modestly claims he never ran a quarter mile in fewer than 54 seconds, but, nevertheless, he was on the mile and 440-relays for a Texas Tech track team that never was defeated in 1928. He also lettered in 1929.

Graduating in 1930 with a bachelor of science degree in engineering, Wooldridge has worked continuously with Texas Power and Light Company ever since. He was elected vice president in 1955.



Charles Wooldridge of Dallas, left, and George Langford of Lubbock were inducted into the Texas Tech Athletic Hall of Honor on Dads Day during a luncheon for members of the Dads Association. Both honorees are shown with bronze plaques which will be a permanent part of the Hall of Honor and will remain on the Tech campus. Both new inductees earned several varsity letters in their college careers.

Wooldridge and the former Evelyn Allred of Dallas were married in 1934. They have three sons, Bill 28, Bob 26, and John 17.

Wooldridge served from 1947-53 as a member of the Texas Tech Board of Directors. On the Cotton Bowl board for several years, he began his two years as president in 1963.

Langford brought no football background from Necessity Public School, Stephens County, in 1926. But he was curious about the game and sought to learn more by playing freshman ball. Because of his inexperience, he never got to scrimmage but did absorb enough to further whet his appetite.

This enthusiasm for football

didn't diminish even when Langford dropped out of Tech in 1927 to earn enough money to finance the remainder of his education.

Langford ranched near Pinon, Breckenridge. All this time, whenever the opportunity afforded, he was watching, talking, and studying football.

When Langford returned to Tech in 1929 he was husky—6-1, 205 pounds—and ready to try the game. Soon he was playing tackle regularly for the Matadors, under Grady Higgenbotham.

Pete Cawthon came in as head coach in 1930 and was hard-pressed in that depression

(Continued on Page 7)

Preston Smith Speaks To Tech Faculty

"Education and training are going to be the keys to the future of both the individual citizen and the entire state," Texas Lt. Gov. Preston Smith told an audience at Texas Tech here recently.

Lt. Gov. Smith, speaking to members of the Tech faculty and the Tech chapter of the Texas Association of College Teachers, told the group, "Not nearly enough of our young people are getting college educations, and in our present economy lack of education may doom them to menial, unsatisfying jobs, or perhaps even to unemployment."

In his talk on "Prospects for Higher Education in Texas," Lt. Gov. Smith outlined the recommendations of Gov. Connally's 25-member committee on education beyond the high school, which began working in 1963, and reported back to the Governor Aug. 31.

"The broad recommendations can be boiled down to two basic ideas," Lt. Gov. Smith said. "First, more state money for higher education, and second, more coordinated control over all state-supported colleges, including junior colleges."

"You, as faculty members are the key to the excellence in higher education for which we are striving."

Lt. Gov. Smith added, "We are all challenged by some aspect of this blueprint for higher education in our state. The 59th Legislature will have a number of other challenges, too."

The lieutenant governor, who himself was graduated from Tech in 1934, reported that he concurs with a goodly number of other officials and leaders in Texas who feel that "the whole future of our state hinges on what we do in the field of higher education in the next few years."

Lt. Gov. Smith cited figures on growth, enrollment and current funds designated for institutions of higher education in Texas, adding, "We have not neglected higher education . . . and we are resolved that we will not."

The commission is recommending a total of \$420 million for the two years beginning Sept. 1, 1965, with more than \$100 million of this amount earmarked for improved faculty salaries, better libraries, new doctoral programs and research.

The committee's suggestions for possible financing included an unspecified tax, with the revenues restricted to use for higher education; doubled tuition rates for public senior colleges and universities and some increase in tuition rates at junior colleges, but including adequate loan and scholarship funds for students who need them; or postponing most major building programs for several years.

Lt. Gov. Smith described the committee's proposal for an 18-member coordinating board which would represent the highest authority in the state in matters of education beyond the high school. Existing boards of trustees and regents would continue to have operating control over their respective institutions, Lt. Gov. Smith added.

In addition to Tech faculty members and administrators, area legislators attending the TACT meeting included State Sen. H. J. Blanchard, state representatives Reed Quilliam and Bill Parsley, and representative-elect Delwin Jones, all of Lubbock.

YOU and the COLLEGE

Because your Ex-Students Association is certain that you have a continuing interest in your Alma Mater's progress and problems, this newspaper is sent to you. To confirm that interest and at the same time contribute toward solving many of the College's immediate problems, you should become an active member of the Texas Tech Ex-Students Association.

Dads Name ...

(Continued from Page 6)

era to find jobs for his athletes. Langford re-assured him there: "I can make enough selling advertising and distributing the printed football program, if you'll let me. Give your jobs to the others."

After gaining a bachelor of arts degree, Langford stayed around for graduate work and to help coach the 1932 freshmen. Two years later he and the former Johnnie Gikerson, who has served the college as women's physical education chairman and dean of women, were married.

Texas Tech's advancement has continued to be one of Langford's principal interests. He was one of the 100 alumni who founded the 100 club that began the present Ex-Students Association. Langford is a member of the Century Club, an organization of leading contributors to the Association, and from 1943-53 served the college as a member of the Athletic Council.

Previously named were five on the initial occasion, in 1961: Ransom Walker (deceased), letterman in football, basketball, and track in the late 1920s; Elmer Tarbox, basketball, football, and track letterman in the 1930s; Pete Cawthon, athletic director and head football coach 1930-40; Walter Schlinkman, football and track letterman in the 1940s; and Dean W. L. Stangel, first athletic council chairman; two more in 1962: Hurley Carpenter, football and track letterman in the 1920s; and Marsh Farmer, track letterman in the 1930s.

Last year G. C. (Mule) Dowell and the late J. O. (Dell) Morgan were named to the Tech Athletic Hall of Honor.

Cagers Plan Game During 'Coming

The varsity basketball team will meet the Red Shirts and Freshman team in an official game in the "Old Barn," old Men's Gym, Friday, Nov. 20 at 4 p.m. Homecoming weekend. All ex-students are invited to attend this game and get a preview of the 1964-65 Red Raider basketball team.

The 1962-63 team finished second in the Southwest Conference and is again picked to finish high in the standings.

1964 FOOTBALL SCORES

As of Press Time

Tech 21	Miss State 7
Tech 0	Texas 23
Tech 16	A&M 12
Tech 25	TCU 10
Tech 10	Baylor 28
Tech 12	SMU 0
Tech 6	Rice 6

Past Queens Due Honors At Coronation

Honored guests at the coronation of the 1964 Homecoming queen will be the ten past queens.

The former Homecoming queens will be presented at the coronation ceremony, Friday night, November 20, at 8:30. The site of this year's coronation will be the Science Building quadrangle.

The 1964 queen will be elected by a campus-wide vote of the student body. Her identity will remain a secret until that night.

The ten previous Homecoming queens include Suanne Matteson (Mrs. John Pittman, 1954), Richardson; Sandra Shook, (Mrs. Jeff Neely, 1955), Amarillo; Revis Jordan, (Mrs. Jack Gray, 1956), Dallas; Shirla Pepper, (Mrs. Donnell Echols, 1957), Lamesa; Peggy Miller, (Mrs. William Kary Jones, 1958), Dallas; Sandra Hendrix, (Mrs. Jerome Schuetzberg, 1959), Austin; Shirley Stephens, (Mrs. Tommy Spillman, 1960), California; Beth O'Quinn (1961), Dallas; Pam White, (Mrs. Marcus D. Taylor, 1962), Dallas; and Carolyn Buxton, (Mrs. Fraley, 1963), Atlanta, Ga.



Cecil Schwalbe, left, is the new president of the Tech Dads Association which held their annual meeting on the Tech campus recently. Handing over the gavel is outgoing president Bill Collins of Lubbock.

Silver Saddle Comes Home

With their 25-10 defeat of the TCU Horned Frogs this season, the Raiders again took possession of the "Silver Saddle," the symbol of West Texas championship.

The tradition of playing for the "Silver Saddle" began in 1961 when the Raiders won the championship. The Froggies have had the saddle for the past two seasons.

The Raiders will keep the saddle until next season's contest. It will be displayed in the foyer trophy case of the Ad Bldg.

The "Silver Saddle" was donated by the Lubbock Avalanche-Journal and Amon Carter, Jr., publisher of the Fort Worth Star-Telegram.

1964 Homecoming Calendar of Events

Friday, Nov. 20

- 10:00 a.m.—Ex-Students Association Board Meeting and Loyalty Fund Board Meeting
- 12 Noon—Luncheon of Ex-Students Association Executive Board and Loyalty Fund Trustees Honoring Student Homecoming Committee — Student Union
- 1:30 p.m.—Ex-Students Association Council Meeting and Election of Officers for 1964-65 — All Exes invited to meeting in Student Union 2nd Floor Ballroom
- 6:00 p.m.—Century Club Dinner in Student Union for members and invited guests — Charles Bates "Tex" Thornton, speaker
- 7:30 p.m.—Giant Pep Rally — SWC Saddle Tramp Circle
- 8:30 p.m.—Coronation of Homecoming Queen in front of Science Building
- 9:00 p.m.—Reunion, Classes 1945 - 1964 — Student Union
- 9:30 p.m.—Reunion, Classes 1925 - 1945 — Caprock Hotel

Saturday, Nov. 21

- 10:00 a.m.—Homecoming Parade — Downtown Lubbock
- 11:30 a.m.—Ex-Students Luncheon — Municipal Coliseum — Furr's Super Markets, Furr's Cafeterias, Dunlap's, and Frontier Stamps are hosts
- 2:00 p.m.—Texas Tech - Arkansas Homecoming Game — Jones Stadium

ALL EXES PLEASE REGISTER IN STUDENT UNION OR AT DOWNTOWN HOTELS FOR COMPLETE HOMECOMING ACTIVITY SCHEDULE

Tech Dads Elect Head

Texas Tech's Dads Association named Cecil O. Schwalbe of Dallas their new president during a regular meeting on Dad's Day at Tech recently.

Other new officers of the association for the coming year will be John C. Williams of Houston, first vice president; Hart Shoemaker of Abilene, second vice president; W. T. Zimmerman of Burkburnett, secretary; and L. Edwin Smith of Lubbock, treasurer.

During the business meeting, the Dads' outgoing president, Bill Collins of Lubbock presided. A proposed budget of \$4,250 for the year ended Oct. 31, 1965, was adopted.

Membership Dues Upped

Dads also voted to up the contributing membership from \$3 to \$5, and the life membership from \$10 to \$25, effective in the fall of 1965. All previous life memberships issued continue to be valid at the price at which they were bought.

Following the business meeting, members of the Dads Association met for a luncheon and heard Dr. D. M. Wiggins, former Tech president and member of the Governor's Committee on Education Beyond High School. He spoke on the work of the committee and its implications for Tech.

Coffee Is Held

Dads also witnessed the induction of two new members of the Tech Athletic Hall of Honor during the luncheon. They are George Langford of Lubbock and Charles Woolridge of Dallas.

To begin Tech's Dads Day, a get acquainted coffee in the Tech Union Building was held from 9:30 to 10:45 a.m. Tech's Association of Women Students, hostesses for the event served more than 1100 Tech parents for the coffee.

Approximately 1400 persons attended the chicken barbecue at 5:30 p.m. in Lubbock Coliseum. Howard Shipley of Lubbock was chairman of arrangements for this year's barbecue.

Awards Presented

Several awards were presented.

Awards for coming the farthest distance: John P. Miller, Schenectady, N. Y. Son is Tom Miller, Tech junior majoring in marketing.

Award for the Oldest Dad present: M. W. Armistead, Fort Stockton, age 75. Son is John C. Armistead, Tech junior majoring in journalism.

Award for Youngest Dad present: Hubert L. Chase, Fort Worth.

Enrollment Tops 13,800

As of the 12th class day, Oct. 1, Tech's fall enrollment totaled 13,827, an increase of 1,791 over enrollment at the same time last year.

In the School of Agriculture enrollment hit 1,139 as compared to last year's 991. Arts and Sciences had a total of 6,718, compared to 5,756 for last year's total.

The School of Business Administration has 3,058 students. Last year's total was 2,566. The School of Engineering enrolled 2,119; last year's figure was 2,054. Enrollment in the School of Home Economics was 793, compared to 669 last year.

There are 4,543 freshmen, 3,106 sophomores, 2,582 juniors, 2,471 seniors and 1,125 graduate students at Tech.

Of these totals, 8,730 are men students and 5,097 women students. There were 7,731 men and 4,305 women in 1963.

Red Shirt Program Proves Successful

A sound and consistent Red Shirt program ranks high on the list of qualifications necessary to produce an upper-bracket athletic team for competition in Southwest Conference sports, says Polk Robison, athletic director.

"Red Shirt" is a slang expression for those athletes held out of competition for one year. "We put red shirts on the men to distinguish them from eligible players." According to Robison, the Red Shirt program at Tech had previously been the result of athletes who were academically or otherwise ineligible.

First True Program

Last year however, Coach J. T. King and his staff were able to red shirt approximately 20 athletes, most of whom were in their sophomore year, thus forming Tech's first true Red Shirt program.

"We feel that red shirting our boys in the sophomore year gives them another year of experience and maturity and allows them time for further adjustment to college life and the academic demands placed on them," Robison explained. "That extra year lets them grow up a little longer physically, mentally and psychologically."

Under SWC and NCAA rules, an athlete is allotted five years to acquire four years of athletic competition and remain on scholarship. Approximately 60 to 70 per cent of college students do not graduate within the four-year period; they must either attend summer sessions or add an extra year of work. We feel it is important for the individual athlete to continue his education and graduate under the scholarship, Robison said.

"This policy of strict academic endeavor under the five-year program enhances the privilege of more athletes finishing college with a degree and that is one of our main goals," Robison said.

Conference rules demand an athlete to make definite progress toward a degree with a certain number of accumulated hours before he is declared eligible for the next season. "In analyzing this requirement we like to ask this question—Is the Red Shirt program good for the individuals?"

Role of Opposition

"Participation in the Red Shirt program also allows an athlete to gain extra experience working against the varsity. They run the same basic patterns and drills as well as offensive patterns of the opposition."

"Most important is the fact that Red Shirts learn the same fundamentals we use in our games, they drill on these patterns and gain maturity—coming into the varsity program as a junior academically but as a sophomore athletically with three years of eligibility," Robison said.

However, we still need two more years of building up our Red Shirt program in order to get quality and quantity characteristic of an upper-bracket SWC team, Robison says.

Depended On Sophomores

Until this season we were forced to use sophomores against more experienced squads of athletes who had participated in college Red Shirt programs. The additional year of experience means more in athletic competition than the average person realizes.

Coach King has a Red Shirt program this year aiming for

an upper-bracket team. Our philosophy has always been to get our athletic program in the upper half of SWC level, Robison said.

"We want to be in the top four. We do not advocate a championship team. If we can establish and maintain an upper-calibre program then percentages will take care of the championship. But the conference is too well balanced to aim for a 10-0 record all the time."

"If the student body, faculty and other Raider supporters will think of attaining an upper-bracket team we will have a better sports-minded team," Robison said. Then percentages will help us become a bowl team. We are striving to build a program on a firm foundation that will produce high competition in all areas of the sports fields."

Robison says we are progressing rapidly considering the position we were in when admitted to the SWC. Our funds were low as there had been a four-year interim before we were to participate in SWC games due to advance scheduling of games. Recruiting was slow because men wouldn't have the advantages of making all-SWC honors—a definite attraction.

In analyzing the material his first Red Shirt program produced, J. T. King says:

DONNY ANDERSON—Gained maturity that helped him make All-SWC honors. He wouldn't have reached such heights as a green sophomore.

WAYNE BARGINEAR—Was a junior college transfer and reported to us only three weeks before the season opened. Not only gained maturity but learned our systems and now figures prominently in our defense.

DAVID BAUGH—When he came to us he was young and lacked maturity. Now he is a real help to us defensively.

MARC BRYANT—Is now a first string guard for us on defense.

JOHN CARRELL—Came to us after one year of junior college and could not play varsity. Now he is defensive tackle.

JAMES CECIL—Came to us after two years of junior college but could not make the team. He started at offensive guard for us last week.

JIMMY EDWARDS—He came to us from a small high school and wasn't as far advanced; however, he had terrific speed. He is first string defensive halfback.

BOB FULLER—Was a junior college transfer and is our number two offensive center.

KENNETH GILL—As a freshman it looked like he would only be a kicking specialist. As a result of the Red Shirt program he is one of our top three linebackers.

CHESTER HOWARD—Was a quarterback in high school. We red-shirted him and transformed him into an offensive tackle.

ROBERT LANCASTER—Is a center alternating with Fuller (Bob).

JERRY LOVELACE—Has come along real good and is now our number two halfback.

LEO LOWERY—Was scholastically ineligible and matured during the year both athletically and academically. Now he is playing fullback for us.

TERRY MCWHORTER—Was an end for us but would have played very little so we red-shirted him. Now he is starting at end.

DENNIS TUCKER—Plays fullback for us and is now the number four linebacker. But he has two more years after this and we expect to see him play.



Midland Chapter Officers

Front row, left to right, is Dean Wood, director; Russell Huckaby, vice president; Howard Parsley, president; Jim Kennedy, vice president; back row, left to right, La Vern (Ish) Curry, director; John Billingsley, Jr., vice president; Jack Fletcher, vice president and Gayle Earls, also a vice president.

V-P Position Open About 20% of Time

Although the United States has never lacked a president since George Washington was inaugurated, 20 per cent of the time it has lacked a vice president, the U.S. Chamber of Commerce reports.

Since John Adams became the first vice president in 1789, the office has been vacant on 16 occasions. Eight vice presidents succeeded to the presidency. Seven vice presidents died in office. One vice president resigned (John C. Calhoun of South Carolina in 1832 to enter the Senate).

As vice presidents are chosen only in the quadrennial national elections, the office has been vacant 38 out of 175 years.

Many persons are convinced that under recent presidents the work of the vice president has become extremely important, whereas before it was not. Several methods have been suggested to fill the office when it becomes vacant between national elections. It has been suggested that a new vice president be picked by the president, be picked by Congress, or by the Electoral College.

A compromise method that seems to have the best chance of acceptance would let the president nominate a vice president subject to confirmation by majority votes of the House and Senate.

The Senate Judiciary Committee this summer approved a proposed Constitutional amendment which among other things would set this compromise method as the one to be used in filling the vice presidency between national elections. The proposal probably will be brought up again in the next Congress.

If both the House and Senate approve it by a two thirds vote and three fourths of the states ratify it, it will become part of the Constitution.

Homecoming Activities

Agricultural Engineering Department — Coffee following Agriculture Breakfast at 7 a.m., Nov. 21, in the Aggie Pavilion

Alpha Chi Omega — Homecoming Tea immediately after the game at 4:30-6 at the Alpha Chi Omega Lodge

Alpha Phi Sorority — Open House after the game at the Alpha Phi Lodge at 2120 13th Street.

American Institute of Architects — Breakfast at 7:30 a.m. in the Student Union Ballroom

Block & Bridge Club — Breakfast from 6 to 7 a.m. in the Livestock Judging Pavilion

Dairy Industry Club — Breakfast at 7 a.m. in the Agriculture Bldg., Room 228

Delta Delta Delta — Coffee at 9:30-11 at the Tri Delt Lodge, 2408-13th Street

Delta Sigma Pi — Dinner Dance after the game about 5:30 p.m. at the Holiday Inn on East Fourth Street

Delta Tau Delta — Reception and Buffet after the game at the Delta Tau Delta Lodge at 1640 Broadway.

Electrical Engineering Department, IEEE Student Branch — Coffee from 10-12 a.m. Saturday in the West Engineering Building, Room 205.

Ex-Letterman's Association — Breakfast at 7 a.m. at Furr's Cafeteria in the Town and Country Shopping Center

Gamma Phi Beta Sorority — Tea from 4:30-6 p.m. Saturday at the Gamma Phi Beta Lodge.

Geosciences — Hospitality Room from 9-12 a.m. in the Science Building, Room 157.

Home Economics Faculty — Coffee from 9-10 a.m. in the Home Economics Dining Room

Journalism Department — Ex-Students Coffee, 9-10:30 a.m., Journalism Building

Kappa Kappa Gamma — Reception from 4-6 p.m. at the Kappa Kappa Gamma Lodge, 2414-B Broadway

Kappa Kappa Psi — Homecoming Banquet at 7 p.m. in the Coronado Room of the Student Union Building.

Major-Minor Club for Women — Coffee from 8-10 a.m. in the foyer of the Women's Gymnasium

Mortar Board — Reception Tea from 4-6 p.m. in the Student Union Building Anniversary Room.

Music Department — Friday, Nov. 20, 8:15 p.m. Texas Tech Chamber Orchestra in the Library Foyer; Reception immediately following the game in the Music Building, Room 1; Nov. 22, 3 p.m. Faculty Woodwind Quintet of Music Department in the Library Foyer.

Newman Club — Coffee after the Parade on Saturday morning at 2304 Broadway.

Pi Mu — Homecoming Tea after the game (5 p.m.) at the Pi Mu Lodge at 13th Street and Avenue S.

Pi Beta Phi — Homecoming Tea from 4-6 p.m. at the Pi Beta Phi Lodge, 19th Street.

Sigma Alpha Epsilon — Coffee at 9 a.m. in the Sigma Alpha Epsilon Lodge at 2023 Broadway.

Sigma Nu Fraternity — Reception immediately following the game.

Texas Tech Union — Homecoming Dance. Lionel Hampton. 8 p.m. in the Municipal Coliseum.

Wesley Foundation — Open House after the game until 7 p.m. at 2420 15th.

Women's Service Organization — Reception from 5:30-7 p.m. in the Coronado Lounge of the Student Union Building.

Basketball Game — Varsity vs. Red Shirts and Freshmen at 4 p.m. Nov. 20.