

5000

Explanation

Pink + Pinnarius - 7th month - (Pinnarius - Pinnaria)

Blackberry (black)

1

[illegible]

Mailing Schedule For Dec. 2-7

| Day | Name of Story | Locals | As only | Ag. Radio | Long Radio | Dailies | Weekly | Regionals | Farm Dailies | RR | Alt. | Relays |
|------|-----------------------------|--------|---------|-----------|------------|---------|--------|-----------|--------------|----|------|--------|
| 12-5 | Helem Doe Captain | X | | | | | | | | | | |
| 12-5 | Grand of Cluctra | X | | | | | | | | | | |
| 12-6 | Queen VIII HBS MBS | X | | | | | | X | | | | |
| 12-6 | International Fair | X | | | | | | | | | | |
| 12-6 | Make it it's local | X | | | | | | | | | | |
| 12-6 | Children's Concert | X | | | | | | | | | | |
| 12-6 | Print, Vital | X | | | | | | | | | | |
| 12-6 | Captain "Operation Sunrise" | | X | | | | | | | | | |
| 12-7 | Keller Pool speech | | | | | | | | | | | |

Explanation

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

With Thanksgiving holidays behind them, Texas Techsians and townspeople will be eagerly partaking of the Christmas spirit tonight (Dec. 3), when the annual Carol of Lights is celebrated on the campus at 6:45 p.m.

Christmas lights, a wreath and luminarias already adorn the campus in anticipation of the starting signal, shortly after 7:05 p.m. when the lights will be turned on.

A brass choir will open the program at 6:45 p.m. with a selection of Christmas carols. Following the invocation at 7 p.m., the lights will be turned out all over the campus while the brass choir plays further selections.

Shortly after 7:05 p.m., the fanfare will begin. Dr. Gene Hemmle, head of music at Tech, will lead the singing of "Joy To The World," as the Christmas lights come on.

Residence hall choirs that will perform are Doak, "Carol of Drums;" West, "Hark the Herald Angels;" Drane, "O Holy Night;" Sneed, "God Rest Ye Merry Gentlemen;" and Knapp and Gordon. "Silent Night."

The Tech choir will sing "Two Kings" and "Fum, Fum, Fum," followed by more residence hall choirs. Women's 6 and Bledsoe will combine to sing "White Christmas;" Women's 7 and Thompson will sing "Jolly Old St. Nicholas;" Horn will perform "Once in Royal David's City;" and Weeks will sing "O Christmas Tree."

Group singing, led by Dr. Hemmle, will include "The First Noel," "O Little Town of Bethlehem," "O Come, All Ye Faithful" and "Jingle Bells."

(more)

carol of Lights---add 1

The Tech choir will conclude the program with "We Wish You a Merry Christmas."

Linda Hill of Cleburne, president of the sponsoring Womens Residence Council, is mistress of ceremonies for the Carol of Lights. Carolyn Kelly of Midland, president of the Association of Women Students, will give the invocation.

Lubbock and area residents are invited to attend and have been requested to turn off their car lights while driving around the Memorial Circle during the ceremony.

The Christmas lights outlining buildings of Tech's central campus were inaugurated by Harold Hinn, member of Tech's Board of Directors. The lighting display is being supported this year by local businesses.

CAPTION

omit ft. worth
ADDRESS in photo view
pick caption

TECH SCHOLARSHIP WINNERS - John A. Bell (right), ^adirector of the Trans-Mississippi Golf Association from Plainview, awarded four \$400 scholarships to Texas Tech senior parks & management students recently. The four ⁷are (left to right) Richard W. Bush of Ft. Worth; John M. Gosdin, Lubbeck; Horst Schach, El Paso; and Jerry Moulder, Victoria. (Bush is the son of Mr. and Mrs. William R. Bush, 7708 Gaston Ave., Ft. Worth.) (Tech photo.)

Ft. Worth only

-30-

El Paso only

Schach is the son of Mr. and Mrs. Karl W.F. ~~Schach~~ Schach, 5102 ⁵Danny Dr., El Paso. (TECH PHOTO)

- 30 -

Victoria only

Moulder is the ~~son~~ son of Mr. and Mrs. ~~R. E.~~ R. E. Moulder, 708 Gardenia, Victoria. (TECH PHOTO)

- 30 -

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Vichitlekakarn pronounced
as spelled: Vic-hit-le-ka-karn

A member of the United States Information Service in Bangkok, Thailand, addressed Texas Tech journalism students at noon Monday (Dec. 2) in the Tech Union.

Sumroeng Vichitlekakarn, a native Thailander, told the Tech group about his job as film distribution supervisor with the Information Service and answered questions about his country and about American-Thailand relations.

The information assistant described the Peace Corps as "the best and most effective group representing America overseas."

He said that two Peace Corps groups had served in Thailand, "teaching people, helping people, and even giving up their free time to continue their good job."

"The people loved them so," he continued, "That when their tour had ended the Thailand government requested the U. S. government to extend the group's time in the country."

Vichitlekakarn has been in this country two months. He came with a group of 12 USIS employees from nine countries who selected the cities they wanted to visit.

"Most of them wanted to go to the big cities, but I wanted to go to a smaller place, so someone in Washington suggested Lubbock," he said. "I have found the people here very friendly and very nice."

He described the USIS, with offices in 96 countries, as the public relations office of the U. S. government. He said the office in Thailand works well with the country's local government.

(more)

Thailand visitor--add 1

He added that Americans in the diplomatic service do a good job in knowing people in Thailand, traveling a lot and meeting all the people they could.

"People don't carry anti-U.S. signs in my country," he said proudly. We all get along very well."

The visitor was asked several questions regarding the recent assassination of President Kennedy, and the probable attitude of his people toward President Lyndon Johnson.

"I don't know what your people thought of President Kennedy, but our people loved him; they thought he was a very wise man," he said softly.

He added that President Johnson was well known to his people because of a week's visit the President made to Thailand when he was vice president. During that time he met many people and was well received.

Vichitlekakarn (VIC-HIT-LE-KA-KARN), a former Thai police agent, speculated that the bizarre slaying of accused assassin Lee Oswald in Dallas jail could have happened in any country.

The information assistant also gave insights as to the geographic and political nature of Thailand. He said the country was 4/5 the size of Texas and had a population of 29 million.

The country has a constitutional monarchy and is currently run as a military government which seized power from a former corrupt government.

He said there was no censorship of news media in his country and that newsmen were free to criticize the government. He added that the military group now in power is working hard, and is very strong in its protection of the country against communism.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Mrs. Clara M. McPherson, assistant professor of food and nutrition at Texas Tech, will participate in the Ninth Southern Regional Conference of College Food and Nutrition Teachers, to be held in Dallas Thursday and Friday (Dec. 5-6).

She will report on the National Conference on College Teaching of Foods and Nutrition, held at the University of Wisconsin last July.

The annual conference for the southern region, composed of Arkansas, Texas, Oklahoma, and Louisiana, is sponsored by the United States Office of Education. It is held for college food and nutrition teachers to improve teaching techniques and procedures, demonstrate some new teaching devices, and review some research in this field.

- 30 -

Miss Margaret Kassouny, Texas Tech instructor in foods and nutrition, will participate in a Seminar for Dietitians to be held in Dallas Friday and Saturday (Dec. 6-7) in the University of Texas Southwestern Medical School.

Dr. Ercel Eppright, assistant director of agriculture and home economics, Iowa State University, is the featured guest speaker for the Seminar. She will discuss "The Human Factor in Nutrition" at the Friday morning session and "Nutrition of Children Around the World" at the Saturday morning session. Other speakers are on the staff of Southwestern Medical School.

- 30 -

CAPTION

TECH STUDENT HONORED--Carl L. Nix (right), Texas Tech graduate student in animal husbandry from Tolar, has been awarded the 1963-64 Texas Grain Sorghum Producers' Association student scholarship. Elbert Harp (left) of Abernathy made the scholarship presentation for the Association. Nix holds a B. S. degree in animal husbandry from Tech. He is the son of Mr. and Mrs. T. H. Nix of Tolar. (TECH PHOTO)

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

State Rep. Reed Quilliam of Lubbock will speak to Texas Tech faculty members today (Dec. 4) at an open meeting of the local chapter of the Texas Association of College Teachers.

The meeting, scheduled for 4 p.m. in the Mesa Room of the Tech Union, will feature Quilliam's talk on "Prospects for Excellence in Higher Education in Texas."

W. G. Steglich, TACT president and head of sociology at Tech, announced that all faculty members are invited to attend. Coffee and an informal reception for Rep. Quilliam will be held from 3:30 to 4 p.m.

Quilliam, an outspoken proponent of excellence in higher education, is a Lubbock attorney and also teaches a night course at Tech in business law.

Officers of the local TACT chapter include Kenneth Davis, assistant professor of English, vice president; Mrs. Lila Kinchen, associate professor of clothing and textiles, secretary; and Mrs. Luta P. Eaves, assistant professor of accounting, treasurer.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Four members of the Texas Tech administration are attending sessions of the Southern Association of Colleges and Schools meeting this week (Dec. 2-5) in Memphis, Tenn.

Dr. W.M. Pearce, vice-president for academic affairs, is official representative of Tech at the accrediting organization's annual conference.

Others are Dr. Fred Rigby, graduate dean; Dr. S.M. Kennedy, arts and sciences dean; and Dr. Floyd Boze, admissions dean.

Tech's accreditation, including results of a two-year self study, is expected to be reviewed during the meeting.

Dr. Rigby returned to his office Monday. The others are due back later this week.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK--Texas Tech's chapter of Psi Chi, national honor society in psychology, has initiated eight new members to the organization.

Conducting the ceremony were Psi Chi officers Nancy Lamb of Artesia, N.M., president; Tom Weddig of Lubbock, vice president; Jean Carpenter, 1322 Rainbow, Dallas, secretary; and Dorothy Wagner of Lubbock, project chairman.

Dr. Murray Kovnar, professor of psychology at Tech, opened the meeting. Special guests were Dr. and Mrs. Theodore Andreychuk. Dr. Andreychuk is professor of head of the psychology department.

New initiates are Phil Browning, Tom Cannon and Ronald Mitchum, Lubbock; John Jones, Sundown; Virginia Embree, Bovina; Kay Karrh, Hale Center; Pat Ryan, 8815 Santa Clara, Dallas; and William Erwin, 2228 Locust, Amarillo. Dinner for the new members followed the initiation service.

The purpose of Psi Chi is to advance the science of psychology and to encourage, stimulate and maintain the scholarship of the individual members in all academic fields, particularly in psychology, according to Miss Lamb.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK--Texas Tech's radio station, KTXT-FM, has enlarged its transmitting radius from three to approximately 10 miles, according to Charles Buzzard, assistant professor of speech and faculty advisor for the station.

The increase came with the erection of a new antenna located on the KTXT-TV tower on the west part of the Tech campus. The antenna equipment and transmitter were moved from their old location in the Speech Building to the location at the tower site.

Tech students did all of the moving, under the direction of the station's chief engineer, Lorton Trent, senior physics major from Lubbock.

Relocation of the transmitter and the installation of the new antenna completes current work projects scheduled by the radio division of the speech department. Also completed since the beginning of the fall, 1963, semester is a new studio, located in the Speech Building.

Students assisting in moving and installing the transmitter and antenna were Bill Blann, Lubbock; Bob Beal, Lamesa; Ted Saffell, Meadow; Nicky Redinger, Plainview; Kenneth Hendrix, Lubbock; and Vic Ward, Levelland.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Texas Tech's annual "Raider Rambles" talent show gets underway at 8 p.m. Saturday (Dec. 7) in the Tech Union.

Ten talent groups will vie for first place and the opportunity to represent Tech at the Intercollegiate Talent Show sponsored by Texas A & M University at a later date.

In addition, this year's top three winners will appear at the four-state meeting of the Association of College Unions to be held Dec. 13 and 14 at Tech.

A trophy will be awarded to the first place winner, with plaques going to second and third place winners.

Acts will perform on a mythical "Showboat," the theme of this year's show. David (Smiley) Irvin of 3700 Bellaire N., Fort Worth, will be master of ceremonies.

Folk singing, tap dancing, twirling, guitar and piano playing, in addition to a variety of vocalists, will be included in the entertainment.

"Raider Rambles" will be held in the Tech Union ballroom, and is admission free.

Participants in the show will be Fred McFarland of Lubbock, guitarist; Sherry Burgamy of Lubbock, vocalist; Rita Reynolds of 4304 Wynnwood, Wichita Falls, vocalist; Juanna Jo Moore of White Deer, twirler; Suzanne Johnson of 2613 Cimmaron, Midland, vocalist; Bettye Lowder of 1909 Fillmore, Wichita Falls, vocalist; Mark Pair of Kress, pianist; Carol Voelkel of Brenham, tap dancer; Janet Wood of 2506 Teckla, Amarillo, vocalist; and a folk singing group, the "Ones Three plus One."

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Three Texas Tech Ex-Student Association representatives left Lubbock Wednesday (Dec. 4) for Houston, where they will attend the District IV meeting of the American Alumni Council.

Floyd Read, president-elect; Wayne James, executive director; and Gail Mathews, administrative assistant will join alumni and development officers from 63 colleges and universities in Texas, Arkansas and Louisiana at the meeting to be held at the Continental Houston Hotel.

James will be chairman of a panel on Century Clubs and Special Drives and will also deliver an address on "The Changing Role of Alumni Clubs."

He is presently serving as membership chairman for the District IV of the American Alumni Council.

James, Read, and Matthews will attend a special breakfast of Tech Chemical Engineers Exes attending the Americal Institute of Chemical Engineering Conference in Houston before returning to Lubbock Friday (Dec. 7).

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK--The Association for Childhood Education has announced attempts to organize a local chapter at Texas Tech.

The organization, a student branch of the association, is being sponsored by Miss Dorothy Filgo, assistant professor of the education department. Purpose of the group is to work for the education and well-being of children. An organizational meeting will be conducted Tuesday (Dec. 10) in the ballroom of Tech Union. At the meeting the question of whether the organization will be started on campus will be decided. All interested students may attend the organizational meeting, and any students interested in children between the ages of two and twelve are eligible to join. There is no pledgship. ACE has 610 branches in the United States. There are five branches in Texas. The ACE branch in Lubbock offers three scholarships to elementary education majors for their senior year. Membership in ACE is for life.

During Nov. 14-15 eight members of the Lubbock branch of ACE and two Tech students, Lana Schultz, 4008 Angus Dr., Fort Worth, and Barbara White, Seguin, attended a Biennial Study Conference of the Texas Association of Childhood Education at El Paso, to become familiar with the operation of campus branches of ACE.

Miss Filgo was appointed faculty adviser for organizing ACE at Tech by Dr. Morris Wallace, head of the department of education.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK-- Texas must decide which way it wants to go as a livestock producing state, according to Dr. Williard F. Williams, head of Texas Tech's agricultural economics department.

"If it is reasonable to assume," Dr. Williams says, "that Texas always will be an important livestock state. The more important questions are, first, the relative importance of Texas among other states of the nation as a live stock producer and, second, the kind of a livestock state Texas likely will become. Will it remain primarily a producer of raw materials--cows, calves and feeder animals--or become a major producer of finished beef. At present Texas accounts for only about five percent of the U. S. fed beef production.

Dr. Williams observed that fed beef consumption in Texas has risen modestly due to increases in population and income, and generally has exceeded the state's production. Since 1957, however, fed beef production has trended upward sharply and already may have converged with in-state consumption. Fed beef marketings in Texas this year may reach one million head.

"This convergence is not necessarily a serious matter," Dr. Williams continued, "as some beef already is being exported. With continued growth in production, however, the Texas beef industry will be faced with two alternatives.

Industry faces the need to limit fed beef production to that quantity which can be consumed in Texas plus the quantity that can be exported on a hit and miss basis, or take steps so that Texas will become a strong surplus area for fed beef." By "strong" he refers to the ability of the industry in this state to compete with other surplus areas such as Colorado or the Corn Belt for markets.

(more)

"Fed beef production is growing rapidly in virtually all areas. In years to come, competition for available fed beef markets likely will be conducted on an increasing stiff, tight, business-like basis. There will be few profitable opportunities for the ineffecient or the uninformed."

Tech's agricultural economics head termed "adjustments" the key word in determining just what steps should be taken so that Texas will keep its standing as a principal livestock producing state.

"Those areas or firms that fail to recognize change, fail to evaluate the implications of change accurately, and fail to make appropriate adjustments in their business operations likely will lose the battle we call competition," Dr. Williams said.

The key to the future of Texas in interregional competition, according to Dr. Williams, lies in adjustments that will permit two things to happen simultaneously. There must be competitively low prices coupled with attractive high net returns. It is only through competitively low prices that the Texas fed beef industry can meet its competition. Profits must remain high enough to encourage the industry to grow.

Dr. Williams suggested that attractive brochures extolling the virtues of the Texas climate and people may not be enough. Among additional steps that may need to be taken are improvements in the organization of feedlots with continued introduction of new feeding techniques. As these are developed, encouragement of additional and more specialized federally inspected slaughtering plants, and more aggressive development of out-of-state markets with preferences for Texas fed beef.

Only through continued improvements in effeciency in both production and marketing can Texas fed beef producers continue to compete with other areas.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

State Rep. Reed Quilliam of Lubbock challenged college teachers to "turn out a thinking product, instead of a trained one," in an address to members of the Texas Tech faculty Wednesday (Dec. 4)

Speaking on prospects for excellence in higher education in Texas, Rep. Quilliam described Texas' current position in higher education as "not nearly so good as some would have the public believe."

He said that Texas ranks 34th in the United States in the number of dollars appropriated per student, and below par in library and organized research facilities, especially at the graduate level.

"Money is a very important yardstick of quality in education, and will determine our standard of excellence," Quilliam stated.

Quilliam pointed out that of the increase in funds to higher education voted by the recent session of the legislature, almost half of the increase went to establishing the University of Houston as a state-supported school. In addition, the established state supported institutions showed enrollment increases that consumed more of the appropriations increase.

Regarding the prospects for higher education, Quilliam pointed to Gov. John Connally's committee on education beyond the high school as a hopeful sign.

He added that the political climate is currently good in Texas for public spending on higher education.

Quilliam's address was sponsored by the Tech chapter of the Texas Association of College Teachers.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Texas Tech will host the tenth annual meeting of Physical Plant Superintendents and Foremen, today and Saturday (Dec. 6,7) in the Tech Union.

Approximately 75 participants from Texas and New Mexico are expected to register for the meet, beginning at 8 a.m.

Following the welcome by Marshall Pennington, Tech's vice president for business affairs, the first session begins at 9:15 a.m.

Dr. Theodore Andreychuk, professor and head of the psychology department at Tech, will present a paper, "The 'Man' in Management," at that time.

After a mid-morning coffee break, the group will re-assemble to hear a paper on campus automation by Jack Roberts, Dallas consulting engineer.

The planning of streets, sidewalks, parking lots and grounds for a college or university will be discussed at 11 a.m. by William M. Gosdin, superintendent of care and maintenance of grounds at Tech.

At 1 p.m. Patric M. Munn, superintendent of construction and maintenance at Tech, will lead the group on a campus inspection. They will assemble in the auditorium of the Physical Plant Office Building for group discussion from 4:30 to 5 p.m.

Tech freshmen football coach Burl Huffman will speak at the banquet beginning at 5:30 p.m.

Saturday's session will open with workshop discussion groups from 8 to 10 a.m. Delegates may select from three subjects and participate in the group of their choice.

(more)

physical plant superintendent meeting--add 1

At 10:30 a.m. the use of dogs for campus security will be discussed by Tech's chief of traffic and security, Bill Daniels. A demonstration of a canine in action will follow Daniels' talk in the stock judging pavilion.

Tech recently initiated the use of a police dog to assist traffic security in protection of students and property on the campus.

From 11:30 a.m. to 12 noon Saturday a business session will be held in Aggie Engineering Auditorium, to conclude the meet.

Among participants in the workshop discussion groups will be Fred Day, chairman of the grounds maintenance discussion in the conference room of the Physical Plant Building; and Charles Libby, Tech's director of building operations, chairman of the custodial maintenance group in the auditorium of the Physical Plant Building.

In addition, F. Don Gallas of Philadelphia, Pa., a consultant with Betz Laboratories, will present a paper on industrial water conditioning for heating and air conditioning equipment.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

FOR RELEASE SUNDAY

"Blueprints in Fashion" will bring a showing of latest college attire to the Tech Campus today (Dec. 8).

The show originally was set for Sunday (Nov. 24), but was rescheduled for 3 p.m. today (Dec. 8) in the Coronado Room of Tech Union.

The fashion show, presented around the theme of a girl architecture student who changes her major to fashion design, will feature both men's and women's clothing.

Fashions will emphasize the new look in winter fashion, with particular stress on Madras, ski clothes and new winter colors.

The "casual campus look" will include showings of casual and date wear designed for the active college student. Tech students will model ensembles donated by local clothing stores.

Tech student Rita Reynolds will entertain with a medley of vocal jazz stylings.

The show is sponsored by the hospitality committee of Tech Union. Admission is free.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK--Dr. Sam E. Curl, a towering, soft-spoken Texas Tech assistant professor of animal husbandry, is currently attempting to determine whether multiple pregnancies can be induced in female farm animals through the use of certain hormone injections.

If experiments are successful in this animal "numbers game", beef cattle and lamb producers may be able to enjoy increased profits.

Dr. Curl currently has two studies under way aimed at causing twinning in beef heifers and multiple births in ewes, all through regular injections of two hormones.

"One hormone is administered three to four days prior to estrus, or heat. Another hormone is injected at the beginning of estrus, and the animals are then bred naturally. The injections cause more than one ovarian follicle to form and more than one egg to be released. When these eggs are fertilized, multiple pregnancies result. If these fertilized eggs develop and are carried the full term of pregnancy, multiple births will result," Dr. Curl said.

He added that the preliminary trials in his study with ewes have yielded slightly more promising results to date than those with heifers.

In preliminary trials, we are adjusting the hormone levels so that two, three or four eggs will develop and be released," Dr. Curl continued. "We feel that we have established proper levels for the ewe study, but we are still experiencing quite a few complex problems with our heifers."

The Tech researcher added that the heifers being tested average about one year of age and therefore have produced no calves. He indicated that later trials may be run on older animals who have already produced one or more calves. It is thought by Dr. Curl that attempts at induced twinning may have

(more)

Multiple pregnancies --add 1

greater chances for success in mature cows.

Dr. Curl re-joined the Tech animal husbandry faculty in Sept., 1963, after receiving his Ph.D. Degree from Texas A&M University. His studies on superovulation and multiple pregnancies began in 1961 as part of his doctoral dissertation research. Dr. Curl was a member of the Texas Tech faculty during the spring semester of 1961 before continuing his graduate studies. Beef cattle dwarfism studies which Dr. Curl was connected with at the University of Missouri received widespread attention.

In Dr. Curl's experiments at Texas Tech, approximately 90 ewes are being studied. Half the group serves as a control unit, receiving no hormone treatments prior to breeding. The other half acts as the test group, receiving the two hormone injections. The 100 heifers being studied are still in the preliminary stages of the research and have not yet been divided into groups.

Dr. Curl and two graduate research assistants, Carl Lynn Nix, Tolar, and Bret A. Triplett, Uvalde, check the heifers and ewes at 7 a.m. and 5 p.m. each day. These daily checks give an accurate record of estrous cycles which is vital to the success of the project.

He added, "I want to emphasize that these are dry lot experiments. Hormone-induced twinning in cattle would likely never be applicable to range conditions because of the lack of control over feed intake and other environmental factors. We are attempting to induce twinning in a restricted area where these conditions can be more easily controlled."

Dr. Curl refused to make any claims for his two current projects.

(more)

Multiple pregnancies--add 2

"We can't make any definite statements on our chances for success at this time. Although some preliminary results do appear promising, several treatments have yielded inconsistent results," he said. We are faced with many interesting problems.

"If we can eventually increase the calf crop and lamb crop percentages per cow and per ewe, this will be of considerable economic significance to the rancher."

According to Dr. Curl, multiple birth experiments of this general type are not completely new. He said that some induced twinning work was done in England within the last several years but most of these studies were discontinued because they were not very successful.

"Nature exerts numerous physiological controls that we haven't been able to fully understand and exploit," Dr. Curl Continued. "Until we know more of these answers, some research trials can't be completely successful."

"We anticipate many problems in this type of research. But, after all, solving problems is what research is all about. Many times the information derived from negative results is as valuable as that gained from positive results," Dr. Curl said. He added that his research is a part of a shift toward a greater emphasis on the more technical and scientific aspects of animal agriculture.

Dr. Curl is a graduate of Tolar High School and holds a B.S. degree in technical agriculture from Sam Houston State College. His graduate degrees include a M.S. degree in Animal Breeding from the University of Missouri in addition to his Ph.D. in Physiology of Reproduction from Texas A&M.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

World traveling author-lecturer Helen Poe will be on the Texas Tech campus today and Saturday (Dec. 6,7) for several appearances, including an address to the Tech Board of Directors annual dinner tonight.

At 10 a.m. Saturday Miss Poe will speak on the "U.S.S.R. Today" in the ballroom of the Tech Union, sponsored by the Union's ideas and issues committee.

Expressing his pleasure at Miss Poe's scheduled appearance, Tech President R. C. Goodwin emphasized, "Any instructor or professor who would like to take their class to the lecture in the Tech Union may do so."

At noon Saturday (Dec. 7) Miss Poe will address the luncheon session of the District 13 Future Teachers of America convention.

The convention, sponsored annually by Tech's Student Education Association, will have approximately 250 persons from high school FTA clubs in 16 West Texas counties.

Miss Poe, a native of Dallas, began lecturing and reviewing books in 1949. Since then she has traveled abroad each year for three months, gathering material and information for her numerous lectures, newspaper and magazine articles.

In addition she spends nine months of the year traveling extensively in the United States, Canada and Mexico.

A graduate of Southern Methodist University, Miss Poe has done graduate work at Columbia University and the Julliard School of Music in New York. She is an avid reader, theater-goer and critic, as well as author.

Daughter of a Presbyterian clergyman, Miss Poe has achieved national standing as a much-sought-after speaker. She has appeared at Tech in past years.

Her travels have taken her to continental Europe, England, Spain and North Africa, the Middle East, Scandinavia, Yugoslavia, Greece, the Orient, Russia, Poland, Czechoslovakia, Rumania, Hungary and the Mediterranean.

SPEAKS AT TECH--Miss Helen Poe, world traveler, author and lecturer, will be on the ~~Tech~~^{XA} Tech campus Friday(Dec. 6) and Saturday(Dec.7) for several appearances, including a lecture ~~at~~^{at} 10 a.m. Saturday in the Tech Union *on "U.S.S.R. today."*

(TECH PHOTO)

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK--An eight-man squad of Texas Tech debaters are competing in the University of New Mexico debate tournament at Albuquerque, N.M., Friday and Saturday (Dec. 6-7).

The squad is made up of two debate teams, and four individual competitors.

The two debate teams will enter six competitive rounds, with each team debating both the affirmative and the negative side of the question three times.

Members of the debate teams are Hac Brummett, junior, Lubbock; Sandra Williams, senior, Monahans; Pat Bailey, sophomore, Orange; and Johnette McIlwain, senior, 1417 Woodridge, Abilene.

G. W. Bailey, Port Arthur sophomore, and Kip Glasscock, Lubbock senior, will both enter the individual oratory competition.

Competing in the poetry division are Paula Creitz, freshman, Adrian; and Karen Day, junior, 3313 Mariana, Midland.

James Robbins, speech instructor and Tech debate sponsor, will accompany the squad to Albuquerque.

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Signups for the Intercollegiate Bowling Tournament will be Dec. 8-19 at the Texas Tech Union newsstand. The tournament will be sponsored by the games and tournaments committee.

All top bowlers are encouraged to enter, according to committee chairman Jerry Tole of Thalia. The winners will represent Tech at the Regional Tournament.

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Texas Tech's Board of Directors will hear opinions today (Dec. 6) on possible changes in the College's name.

Persons who have previously filed written briefs of their remarks will appear before the Board between 1:30 and 4:30 p.m. in the President's Office. Spokesmen will give their presentations one at a time.

The Board will hold its annual dinner at 6:15 p.m. in the Union Building ballroom, with World Traveler Helen Poe as speaker.

The Board will hold a regularly scheduled meeting at 9:30 a.m. Saturday in the President's Office. No action of any sort on Tech's name is expected at the meeting, however.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

FOR SUNDAY

LUBBOCK--Texas Tech and the West Texas School Study Council will host the Region VIII meeting of the Associated Public School Systems Sunday (Dec. 8) through Tuesday (Dec. 10) in the Tech Union.

The regional group, composed of schools from Arkansas, Louisiana, Oklahoma and Texas, will convene Sunday for early registration from 4 to 6 p.m. at the Plainsman Hotel.

Following the early registration Sunday (Dec. 8) the group will attend a program in the Tech Union ballroom, with Dr. Berlie J. Fallon, executive director of the West Texas School Study Council, presiding.

R. C. Janeway, Tech librarian, will speak on "The New Texas Tech Library--Philosophy, Pre-planning and Architecture." Following his talk, Janeway will conduct a tour of the Tech library.

From 8:30 to 9 a.m. registration will be held in the lobby of the Tech Union ballroom, with the first morning session scheduled at 9 a.m. Monday (Dec. 9).

Garland Stubblefield, superintendent of El Dorado, Ark., public schools and president of the Region VIII association, will preside at the morning session.

Dr. W. M. Pearce, Tech's vice president for academic affairs, will welcome the participants. Dr. Marshall Nagle, assistant director of teacher education and certification at Tech, will give the invocation.

At 9:30 a.m. Dr. Thurston Atkins, executive secretary of the APSS, will present "The APSS Program." The superintendent of McAllen public schools, S. P. Cowan, will present a talk at 10:45 a.m. on "McAllen Public Schools Provide Their Own Power Plant--Pattern for the Future?"

(more)

Dr. Morris Wallace, professor and head of education at Tech, will speak at the noon luncheon on "Implications for School Administrators in Dr. Conant's Book on Teacher Education." Superintendent Nat Williams of Lubbock will preside.

T. A. Roach, superintendent of Andrews public schools, will preside over the afternoon session, which features a talk on "Educational Research in the Gulf Coast Area" by Dr. Wallace Strevell, executive secretary of the Gulf Coast Research Development Association.

A "Pool and Share" session will be held from 2 to 4 p.m., featuring discussions on the counseling program in Big Spring, reduction of drop outs in Oklahoma City and preferential pupils in senior high schools.

Taking part in the discussions will be Miss Mary Foreman, elementary supervisor of the Big Spring public schools; Dr. Larry Hayes, coordinator of educational research of Oklahoma City schools; Howard Price, principal of Lubbock High School; and Floyd Honey, principal of Monterey High School in Lubbock.

A 7 p.m. banquet Monday (Dec. 9) will feature a talk by Dr. Matthew Gaffney, superintendent of Abington township schools in Pennsylvania.

He will speak on "Abington Township's Ungraded Primary Program." Omer Douglas, superintendent of Brownfield public schools will preside at the evening session.

At 9 a.m. Tuesday (Dec. 10) Oklahoma City's teacher evaluation program will be discussed by Dr. Jesse Lindley, assistant director of personnel at Oklahoma City schools.

Presiding at the Tuesday sessions will be Dr. Roy B. Allen, professor of school administration at the University of Arkansas and executive director of the Arkansas School Study Council.

(more)

REGION VIII APSS MEET--Add 2

Another "Pool and Share" session will round out the morning's activities from 9:45 to 11:45 a.m. Topics will include "Economic Education in the Crossett Schools," and "Fayetteville's Module System of Scheduling."

A panel of Plainview school personnel, moderated by Superintendent Floyd Manrey, will discuss Plainview's ungraded primary program. "Organizing for Curriculum Change in the Language Arts, Grades 1 through 12" will be discussed by a panel from the Andrews public schools.

Panelists will be Mrs. LaRue Hutchinson, John Vanderburg, Mrs. Mary Nell Dodd, Mrs. Margie Mills and moderator Bob Montgomery, director of public services at Andrews.

Stubblefield will preside over the final luncheon from 11:45 a.m. to 1 p.m. in the Tech Union. Participants will hear an address by Dr. Atkins on "A Look Ahead to 1964," an evaluation of the meeting and tentative plans for the 1964 meeting.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK--- A "world" of gifts for Christmas shoppers will be in store for Texas Tech students when the International Fair comes to the Tech Union Dec. 15-18.

Sponsored by the International Interest Committee, the purposes of the fair are to provide unusual and inexpensive gifts; to promote appreciation of other countries; and, most important, to obtain money to start a scholarship fund for international students, according to Mrs. Karen Moore, Union program director.

Some of the inexpensive items which will sell for \$5 or less include straw angels from Mexico, inlaid wooden rulers from New Zealand, carved wooden letter openers from India, cast bronze bells from Greece, place mats and cufflinks from Sweden and aprons, ashtrays, purses and candle holders.

Gifts from these and many other countries will be displayed in booths set in each countries "native" atmosphere. Booths will be in the "market place" of the Coronado Room of the Tech Union beginning Sunday, Dec. 15 from 2-8 p.m.

Mrs. Moore pointed out that the gifts would be available for purchase by Tech students, faculty and Lubbock residents during the hours of 10 a.m. to 7 p.m. Dec. 16-18.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

More than 100 young women from 60 West Texas counties have past the half-way point in their goal of winning the "Make It Yourself With Wool" contest on the Texas Tech campus.

The grand finale, followed by the climatic announcement of the winners, comes at 3:30 p.m. today (Dec. 7) in rooms 105 and 106 of the Home Economics Building at Tech. The finale is open to the public.

First-place winners in each of the four divisions of the contest will compete at the state contest in San Angelo Jan. 11, 1964. Winners from San Angelo will compete at the National Contest in Albuquerque, N.M. The national winner will receive an expense-paid trip to the Caribbean and other prizes.

Thursday (Dec. 5) and Friday (Dec. 6) contestants in the District I contest were judged by the construction judges. Today (Dec. 7) the fashion judges will take over and make their decisions just prior to the grand finale.

Sponsored by the women's auxiliary to the National Wool Growers Association, "Make It Yourself With Wool" is a home sewing contest now in its 17th year. The contest has been on the approved list of the National Education Association for seven years.

Dean of Home Economics Willa Vaughn Tinsley described the contest as "an excellent project for teen-age girls and young women, age 13 through 21." It is designed to aid young women in acquiring the art of sewing with wool, while aiding the grower by finding a market for his product.

(more)

"Make It Yourself With Wool"---add 1

Two major rules of the contest, as outlined by Dr. Gene Sheldon, head of clothing and textiles at Tech, are that the garment is made from 100 per cent wool loomed in America and that the wool garment be entirely the work of the contestant.

Fashion judges will be Robert Campbell, director of the Robert Spence School, Inc.; Mrs. Howard Schmidt, home economist; and Mrs. Xie Collins, director of home service for Southwestern Public Service Co.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

The Texas Tech Symphony Orchestra will present its annual Children's Christmas Concert at 3 p.m. Sunday (Dec. 8) in Lubbock Municipal Auditorium.

Admission is free to the program, which includes selections by Bizet, Rimsky-Korsakov and Prokofieff's "Peter and the Wolf", narrated by Dr. John Anderson.

The program will conclude with "A Christmas Festival" by Anderson.

-30-

Pledge classes of Phi Mu Alpha and Mu Phi Epsilon, men's and women's music societies, will present a joint recital at 4:05 p.m. Tuesday (Dec. 10) in Room 1 of the Music Building at Texas Tech.

The program will include "Ici-Bas" by Faure, featuring Beverly Brandon of Lubbock, soprano, and Gene Pickens of Colorado City, piano.

"Vocalise" by Rachmaninoff will be presented by Charles Addington of Lubbock, cello, and Billy Biffle of Lubbock, piano.

"Percussion Discussion" by Johnson will feature Ronald Johnson of Lubbock, snare; Richard Reed of Lubbock, tom-toms; Biffle, cymbal and gong; Addington, maracas; Walter Marlin of 7802 Taxco Dr., El Paso, bongos; and James Ball of Lubbock, bass drum.

Balay's "Prelude et Ballade" will be performed by Reed, trumpet; and Ball, piano.

"Tarantelle" by Saint-Saens will feature Miss Vicki Pharr of Lubbock, piano, and Miss Jo Ann Ward of Lubbock, cello.

"Theme and Variations" by Biffle and Ball will be performed with Biffle on trumpet; Ball, piano; Marlin, horn; and Reed, trumpet.

-30-

SEÑORITAS VISIT TECH---Participants in "Operation Senórita", ~~xxxx~~ on the Texas Tech campus Friday (Dec. 6), were welcomed at the Tech Union with a reception in the program office. From left, Miss Silvia Del Rio and Mrs. Selma Meyer of Mexico are greeted by ^{Tech students} ~~xxxx~~ Sylvia Ramirez of *Lubbock*, and Royal Furgeson of Lubbock, president of the student council.

(TECH PHOTO)

Student Union program cancel secretary
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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

World traveling Helen Poe challenged Texas Tech students to "stand up and be counted" in an address in the ballroom of the Tech Union Saturday (Dec. 7) morning.

"Don't ever take what we've got for granted," she warned. "I learned that lesson in my visits to the Soviet Union, and I learned it again Nov. 22 in Dallas, Texas."

Miss Poe, a native of Dallas who has spent three months of the year traveling abroad since 1949, told the students that they should take a stand even though they might not be popular.

"Popular is an off, empty word," she added. "People who were 'popular' in Dallas a few weeks ago are very unpopular now."

"I used to try to 'walk a tightrope' and not offend any side--but not any more. Not the popular person, but the person of character is the one who is going to endure."

"You must take a stand," she continued. "Twelve days in Dallas have taught me that much."

Miss Poe, who was on a Dallas street to view President Kennedy just six minutes before he was shot, described the events and reactions in Dallas for those next four days.

"Standing on that corner we didn't realize we were coming to the end of an age," she reflected. "We couldn't know that our minds, every individual act, everything we'd ever done in Dallas would be played up and examined all over the world."

Miss Poe said that after the news came of the President's death the streets of Dallas seemed suddenly deserted.

"The city had died," she said softly. "And part of it will always be dead ever after."

Mailing Schedule For Dec 9-14

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mailing schedule for Dec 9-14 cont.

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Texas Tech's annual faculty and staff Christmas party will be held from 8 to 11 p.m. Thursday (Dec. 12) in the Union Building ballroom.

Sponsors of the annual event are the Faculty Club, Faculty Women's Club, and Newcomers Club. Featured will be a buffet dinner and dancing.

The receiving line will include Mr. and Mrs. Reginald Rushing, Mr. and Mrs. Tom Stover, Mr. and Mrs. John Guilds, and Mr. and Mrs. John Duke.

Arrangements are in charge of Mrs. Ben Brewer and Mrs. Keith Marmion.

Decorations are in charge of Mrs. John Duke, chairman, Mrs. Charles Megibbin, Mrs. Tom Atcheson, Mrs. Shelby Hildebrand, Mrs. Richard Berry, Mrs. Walter Cartwright, Mrs. Paul Thompson, Mrs. Reginald Rushing, and Mrs. Marym Robinson.

Serving at buffet tables will be Mrs. Maxine Daly, Miss Alta Johnson, Miss Helen Lindell, Miss Mildred Bettencourt, Mrs. Estelle Wallace, Miss Florence Petzel, Mrs. John Powers, Mrs. Albert Sanger, Mrs. William Ulich, Mrs. Harold Spuhler, Mrs. Richard Dudeck, Mrs. L.E. Parsons, Miss Dorothy Filgo, Mrs. Lila Kinchen, Mrs. Merville Larson, Mrs. W.G. Steglich, Mrs. James Allen, Mrs. Kathryn Durham, Miss Evelyn Clewell, Mrs. Dorothy Garner, Miss Sue Rainey, Mrs. David Vigness, and Mrs. William Davis.

General chairman is Mrs. Olive Wheeler.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

"The technique is not so important as the point of view with which you approach the education of children," participants in the Region VIII Associated Public School Systems were told Monday (Dec. 9) at their banquet in the Texas Tech Union.

Dr. Matthew Gaffney, superintendent of Abington Township Schools in Pennsylvania, spoke to the group on the ungraded primary program, emphasizing that "children were invented long before grades."

"Now we have the responsibility in our system for the education of every child," he said. "The ungraded primary is a continuous progress school, where you take every youngster as far and as fast as you can."

Dr. Gaffney believes that the individual child doesn't "fail" in school, but that the school fails.

"Studies have indicated that 50 to 70 percent of the intellectual development of a child comes by the end of the primary school years; and that significant changes in human beings must be done early."

Dr. Gaffney says that the ungraded primary takes the grade levels off and concentrates on the development of the children.

He added that all observations of the Russian education system indicate that they are putting their greatest emphasis on the pre-primary and primary children, and warned "they may be outsmarting us" in this area.

The final session of the APSS meeting will be held today (Dec. 10) at Tech.

Hosted by Tech and the West Texas School Study Council, the APSS meeting has drawn approximately 100 persons a day for the various sessions that began Sunday (Dec. 8).

(more)

Today's sessions will feature Dr. Jesse Lindley, assistant director of personnel at Oklahoma City, Okla., schools in an address from 9 to 9:45 a.m. in the Tech Union ballroom. Dr. Lindley will speak on Oklahoma City's teacher evaluation program.

Another "pool and share" session will be held from 9:45 to 11:45 a.m., featuring discussions on economic education in the Crossett Schools, the Fayetteville, Ark., module system of scheduling, Plainview's ungraded primary program, and the organizing for curriculum change in the language arts, grades 1 through 12.

The group will adjourn following a luncheon in the Tech Union cafeteria, with Garland Stubblefield, president of the Region VIII APSS, presiding.

An evaluation of the meeting and tentative plans for the 1964 meeting will be discussed by Dr. Thurston Atkins of New York City, executive secretary of the national APSS.

Monday (Dec. 9) afternoon participants held a "pool and share" session featuring four topics.

Floyd Honey, principal of Monterey High School in Lubbock, discussed "Preferential Pupil Registration in Senior High School." Oklahoma City's work to reduce school dropouts was discussed by Dr. Larry Hayes, coordinator of educational research in the Oklahoma City Schools; and Big Spring's elementary counseling program was described by Miss Mary Foreman, elementary supervisor of Big Spring public schools.

"Promoting Study Skills" was discussed by a group from Snyder public schools. Participating in the panel were Tom McCollum, superintendent of Snyder schools; Clois Henry, director of curriculum; and Dr. Bob Clinton, principal of Snyder High School .

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

A choral speaking class at Texas Tech, directed by Mrs. Vera Simpson, speech teaching assistant, will present a series of programs on "What Is Christmas" during the next two weeks.

One performance, Dec. 16, is open to the public. It will be held at 4 p.m. Monday (Dec. 16) in the Garden Room of the Library at Tech, admission free.

The program will include "'Twas the Night Before Christmas;" "A Child's Christmas in Wales" by Dylan Thomas; and The Christmas Story from St. Luke.

Other appearances scheduled for the speaking group, which contains 17 members, are Thursday (Dec. 12) morning at St. Christopher's School; Friday (Dec. 13) evening at the Region 9 Association of College Unions banquet; and Sunday (Dec. 15) at the 9:30 a.m. service at St. Christopher's Episcopal Church.

In addition, the class will perform at the family night service at John Knox Presbyterian Church Sunday evening (Dec. 15); and again Wednesday (Dec. 18) at the noon meeting of Sock and Buskin, Tech dramatics club.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

SUITABLE FOR TIME COPY

LUBBOCK--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."

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

"Agriculture is one area in which the United States continually outstrips Russia," Dean 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.

(more)

Dean Thomas added, "We cooperate with other agriculture schools, the U. S. Department of Agriculture, private business and industry, such farm organizations as the Grain Sorghum Producers Association and the Plains Cotton Growers, Inc. and private research foundations."

Dean Thomas points to the research being done by his staff members as evidence of maturity in the Texas Tech school of Agriculture.

"Research is essential to an adequate program of higher education," Dean 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 the Dean.

In outlining research in the seven departments which comprise Tech's School of Agriculture, Dean 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.

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

(more)

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

The widely-discussed population explosion has placed great emphasis on Tech's animal husbandry department. Through research in all-concentrate 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 welcomed addition to animal husbandry research, Tech will soon formally dedicate its new \$5,000,000 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," Dean Thomas said.

Entomologists at Texas Tech have teamed with entomologists over the state to combat a midge threat which cost Texas sorghum producers \$6,000,000 in losses in 1963. Two staff members will go to Argentina early in 1964 to screen insecticides used on midge. This use of winter growing seasons will provide two years of information in one year, according to Dean Thomas.

(more)

A second vital area being invaded by Tech entomologists in cooperation with public health agencies and the High Plains Underground Water District deals with playa lake modification as it relates to water conservation 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.

Dean Thomas mentioned several major annual meetings such as the Agricultural-Chemical Conference, the Grain Drying and Storage Conference, the West Texas Water Conference, the Range Management Conference, Livestock and Meat Field Day, Research Farm Field Day at Pantex, the Dairy Industry Institute, and the Southwest Park and Recreation Institute.

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.

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

"It has been estimated that if farmers were using the same practices now they were using as late as 1940, food and clothing today would cost the average consumer about \$300 to \$400 more per year, or the nation nearly \$13 billion annually," he said.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK--Juanna Jo Moore, sophomore from White Deer, won first place for her twirling routine at the Texas Tech Raider Rambles, talent show.

Singer Janet Wood, Amarillo freshman, was awarded second place, and graduate student Mark Pair, pianist, won third. The winners were chosen from 10 contestants in the sixth annual presentation of Raider Rambles.

Miss Moore will audition to appear in the Region Nine Talent Show at Texas A&M University.

The A&M talent show is not for competitive purposes, but offers college students the opportunity to perform before national talent scouts.

Texas Technological College
Department of Public Information
Adrian Vaughn, Director

LUBBOCK--Mu Phi Epsilon, Texas Tech professional music sorority, recently initiated five pledges.

Pledges are Jo Ann Ward, Lubbock; Vicki Pharr, Lubbock; Sylvia Langham, 904 W. 21 St., Odessa; Susan Johnston, Kansas City, Kan.; and Beverly Brandon, Lubbock.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK--The Texas Tech chapter of Tau Beta Pi, national honorary engineering society, has initiated new pledges.

They are Eugene Meacham, Lubbock; Patrick Gallagher, Lubbock; Tom Mortimer, 1609 Jackson, Amarillo; James Guthrie, Lubbock; Jim Palmer, 802 E. 5 St., Odessa; Eugene Catherman, Milton, Penn.; Leon Redenbacher, Indianapolis, Ind.; Jerry Stafford, Levelland; Ralph White, 6815 Pemberton, Dallas; Jimmy Naylor, Lubbock; Michael Parten, 127 Deboll, Houston; and David Fannin, Madisonville.

Also Robert Almond, Iowa Park; Joe Elder, Fayetteville; Robert Trow, Trinity; Kenneth Patterson, Garland; Brian Lambert, 2602 Yale, San Angelo; George Guthrie, Lubbock; Russell Graham, Lubbock; Ronald Francoeur, Lowell, Mass.; Charles Orme, Duluth, Minn.; Wendell Goin, Claude; Michael Bogda, 2207 E. 23 St., Amarillo; Bill Zajicek, Borger; Robert Smink, Palmerton, Pa.; Dain Hancock, Lubbock; George Hite, Bellaire; Carl Alexander, Seagraves; and Tommy Parish, 2804 Yucca, Fort Worth.

Juniors must be in the top eighth of their class in order to pledge; seniors must be in the top fifth of their class.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

The Region VIII Associated Public School Systems meeting concluded at Texas Tech Tuesday (Dec. 10), with an address by Dr. Thurston Atkins of New York City, executive secretary of the national APSS.

Speaking at a noon luncheon, Dr. Atkins evaluated the three-day meet, and discussed plans for the 1964 meeting to be held in Oklahoma City, Okla.

The Oklahoma City public schools and Jack F. Parker, superintendent, will be hosts for the next meeting, scheduled for December, 1964.

The Tuesday morning session included a talk on Oklahoma City's teacher evaluation program by Dr. Jesse Lindley, assistant director of personnel of Oklahoma City schools.

A "pool and share" session from 9:45 to 11:45 a.m. featured talks on economic education in the Crossett schools, Fayetteville's module system of scheduling, Plainview's ungraded primary program and the organizing for curriculum change in the language arts, grades 1 through 12.

Texas Tech and the West Texas School Study Council hosted the meeting, which drew an estimated 100 persons each day for the various sessions. Attending were members of the school systems in Region VIII, composed of Arkansas, Louisiana, Oklahoma and Texas.

Dr. B. J. Fallon, professor of education at Tech, is executive secretary of the West Texas School Study Council. Garland Stubblefield, superintendent of the El Dorado, Ark., public schools is president of the Region VIII APSS.

~~X~~ "TROPHY HUNTING"---Two Texas Tech debate teams will be ~~hoping~~ to add to their number of trophies when they attend the Southwest Conference Debate Tournament Friday(Dec. 13) and Saturday(Dec. 14) ~~in~~ in Dallas. Left to right are Tommy Watt, Lubbock sophomore, and Mike McKinney, Midland freshman; and Ava Robbins, Lubbock sophomore, and Kay Haldy, San Antonio sophomore.

(TECH PHOTO)

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK--Two teams of Texas Tech debaters leave today (Dec. 12) for Southern Methodist University in Dallas, where they will compete in the annual Southwest Conference Debate Tournament.

Accompanied by their sponsor, James Robbins of the Tech speech department, the teams will debate Friday (Dec. 13) and Saturday (Dec. 14) on the question, "Resolved: That the federal government should guarantee an opportunity for higher education to all qualified high school graduates."

"Each school in the Southwest Conference sends two teams, an affirmative and a negative," Robbins reported. "And the competition is always very keen, as everyone tries to send their best debaters."

Site of the SWC tournament rotates to each school in the conference. Last year it was held on the campus of Texas A&M University, with Baylor winning first place.

Tech representatives to this year's meet will be Tommy Watt, Lubbock sophomore, and Mike McKinney, 1601 N "C" Street Midland, freshman, on one team; and Ava Robbins, Lubbock sophomore, and Kay Haldy, 1727 Edison Drive, San Antonio, sophomore, on the other team.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

The 1963 Conference of the Region 9 Association of College Unions will begin at Texas Tech Thursday (Dec. 12) with approximately 250 students from 43 universities expected.

Region 9, composed of student union personnel from colleges and universities in Texas, Oklahoma, Arkansas and Louisiana, will have as this year's theme "The College Union: The Image and the Individual."

Tech is the host for the meet, which ends Saturday (Dec. 14) noon.

Keynote address will be given at 9 a.m. Friday (Dec. 13) by Porter Butts of the University of Wisconsin, editor of publications for the ACU. He will speak on "What a College Union is For."

Early registration will be held from 7 to 10 p.m. Thursday (Dec. 12) in the Coronado Room of the Tech Union. Coffee and entertainment will be provided in the Coronado Lounge, and the games room will be available for participants.

The steering committee meeting, for certification of candidates for election as Region 9 officers, will be held at 8 p.m. in the Union's Executive Room.

From 8 to 9 a.m. Friday (Dec. 13) registration will be continued in the Tech Union. During that time, orientation for discussion leaders and summarizers will be conducted in the Blue Room.

The first general session begins in the Coronado Room at 9 a.m., with the call to order by Nancy Connors of Oklahoma State University, chairman of Region 9.

Marshall Pennington, Tech's vice president for business affairs, will welcome the visitors, followed by Butts' keynote address.

(more)

Special interest groups on dances, films, hospitality, games and decorations will meet at 11 a.m.

Also set for 11 a.m. is the first general session for all staff members of college unions in the Coronado Room. C. C. Nolen of the University of Texas will present a lecture on "The Union Profession: Philosophy, Problems and Possibilities."

During lunch in the ballroom reports on the library and regional information will be given by Einar Pedersen of Tulane University, Region 9 representative to the national ACU.

From 2 to 3:15 p.m. more special interest groups will be held on special events, publicity and public relations, fine arts, student trips and big-name entertainment.

The second staff session will be held at 2 p.m. on "The Union Staff Member's Relationship Outside the Union."

A general assembly will be held in the Coronado Room at 3:30 p.m. Friday (Dec. 13) for speeches by officer candidates and the election of officers.

A 7:15 p.m. dinner in the ballroom will feature a welcome to the visitors from Royal Ferguson, president of the Tech student association.

Participants may choose from a variety of entertainment and recreation Friday evening, including a dance, floorshow, hootenanny or "Comedy Classics."

Saturday's (Dec. 14) activities begin with a delegation leader's breakfast at 7:30 a.m. in the Tech Union Blue Room, followed by several workshops at 8:30 a.m.

"Process of Evaluation" will be discussed by Dr. Robert L. Rouse, professor and head of economics at Tech. Dr. Beatrix Cobb, Tech psychology professor will discuss "Leadership Workshops" and Dallas Biggers, assistant director of the Tech Union will talk on "Brainstorming."

(more)

ACU Region 9 Meet--add 2

Adrian Vaughan, director of public information at Tech, will speak on "Techniques in Publicity;" and "Executive" will be the topic of Dr. V. P. Luchsinger, associate professor of management.

At 9 a.m. the third staff session will be held on "The Union Staff Member's Relationship Inside the Union."

Discussion groups will begin at 10:30 a.m. on "Careers," "The Union's Place," "Philosophies of Student Unions" and "The Relationship of the Union to Other Activities."

From 10:30 a.m. to 12 noon old and new members of the steering committee will meet in the Anniversary Room.

The noon luncheon, in the Union ballroom, will feature a summary address by Kenneth Hobbs, Lubbock attorney. A vote on the conference site for 1964 will end the convention.

All summarizers for the discussion groups will be furnished by Tech, the host school. Conference committee members are Jerry Tole, Thalia, entertainment; Sandy Stokes, Lubbock, publicity; Vicki Pharr, Lubbock, packets, program and exhibits; Pat Murphy, Snyder, and Sue Walker, 1412 Raynold El Paso, hospitality; and Nell Anne Walter, 4090 Monticello, Abilene, and Margie Moser, De Kalb, registration and secretarial.

Members of the Region 9 ACU steering committee for 1963 have been Miss Connor; Carol Hanner, Texas University; Miss Cathy Gordon, Tech; and Pedersen.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

FOR RELEASE SUNDAY

Texas Tech's music department will present Mark Pair in a faculty piano recital at 8:15 p.m. Wednesday (Dec. 18) in Room 1 of the Music Building.

Pair will open with Bach's "Prelude and Fugue, f# minor;" the Adagio-Allegro, Andante Expressivo and Vivacissimamente of the Sonata op. 81a "Les Adieux" by Beethoven; and Chopin's "Fantasie" op. 49, f minor.

He will also play the Allegro, Adagio and Allegro Assai of "Sonata K. 332, f major" by Mozart; and Debussy's "Jardin sous la Pluie" and "Reflets dans Leau."

Ravel's "Deux d'eau" and Prokofieff's "Toccata" will conclude the program, which is admission free and open to the public.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Sixty-three contestants have been signed to compete in the annual Little International Livestock Show, which begins at 1 p.m. Saturday (Dec. 14) in the Texas Tech Livestock Pavilion.

The event, sponsored by the Tech chapter of the Block and Bridle Club, will be a showmanship and judging contest, according to Dean Joines, junior animal husbandry major from Cameron, and secretary of the club.

A new event, the "Fraternity Greased Pig Race", has been added this year. Also included on this year's agenda are the "Mule Harnessing Contest" which is open to faculty members of the Tech animal husbandry department and the "Sorority Milk Maid Contest."

A blue ribbon ham sale will follow the Saturday afternoon show.

-30-

Burl M. Abel, a pre-veterinary student at Texas Tech from 1957 to 1959, has been awarded a science trainee grant of \$6,000 annually to pursue his Ph.D. degree at Iowa State University.

Abel, son of Burl Abel, associate professor of finance at Tech, will graduate in January from the Texas A & M University Veterinary School with a doctor of veterinary medicine degree.

He will take the state veterinary board examination Jan. 7, 1964, before going to Iowa State's College of Veterinary Medicine in March.

At Tech, the younger Abel was a member of Phi Delta Theta social fraternity.

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK---Sixteen Texas Tech men have been announced as spring pledges of Saddle Tramps, campus spirit and service organization.

Accepted were the following: Robert Arnold, Mt. Pleasant; Kenneth Baker, Albany; Jerry Bawcom, Wickett; Taber Bearden, Baird; James Roy Brown, Silverton; Bob Colvard, 1805 Wilson, Wichita Falls; Bob Fillpot, Childress and Bill Honey, Lubbock.

Also selected were John Ireland, 4405 University, Wichita Falls; Joe Murfee, Lubbock; Jim Petrosky, Georgetown; Richard Purcell, 4809 Arden Road, Amarillo; Jonny Ramirez, Canadian; Robert Renfro, Plainview; Barret Trask, 322 Larkwood, San Antonio and David Webb, 4142 Monticello, Abilene.

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Saddles and Christmas trees and silver boots will be the unlikely combination on the Texas Tech campus at 8:30 p.m. Saturday, (Dec. 14) when Tech's massive Rodeo Association presents its annual Cowboys' Christmas Ball.

Jimmy Mackey's western band will play for the all-college dance in the Tech Union ballroom, with the proceeds donated to Lubbock Children's Home by the Rodeo Association.

Tickets will be on sale in the Tech Union Friday (Dec. 13) and Saturday (Dec. 14), at \$1.50 for stags and \$2.00 for "podners."

In addition, the students will be wearing their "city duds" for the semi-formal dance, and the only boots present will be the silver boots that go with the cactus in the centerpiece. The decorated tree in the ballroom will be surrounded by saddles.

Boasting 425 members from all schools of the college, the Rodeo Association is the largest recognized organization on the Tech campus. Their activities through the year include sponsoring the largest indoor intercollegiate rodeo in the world.

President of the Association this year is Skipper Driver of Big Spring. Mary Adele Wilson of Sonora is publicity chairman and Sherry Beadle of Eunice, N.M. is in charge of the decorations for the dance.

Members of the Association will work with the Lubbock Children's Home in planning a Christmas party next week for the children at the home.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK--Thirteen West Texas women placed in the finals of the District 1 "Make It Yourself With Wool" contest held recently at Texas Tech.

First place winners in the four divisions will compete in the state contest in San Angelo Jan. 11, 1964.

Winners in the sub-deb division were first, Carayl Green of Brownfield; second, Lyne Pitts of Earth; and third, Linda Sue McEachern of Halfway.

Winners in the junior division were first, Anita Joyce Butts of Quanah; second, Patricia Ruth Ramsey of Eddy; third, Delores Gail Holman of Colorado City; fourth, Glenda Gaye Minchew of Hereford; and fifth, Jorja Duke of Tulia.

Winners in the senior division were first, Judy Tapley of Amherst; second, Marilyn Coleman of Plainview; and third, Jacquelyn Neal of Levelland.

Winners in the adult division were first, Mrs. Russell Austin of Andrews and second, Mrs. Clyde Fort of Lubbock.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

A single performance of Mozart's comic masterpiece, "The Marriage of Figaro", will be presented in the Lubbock Municipal Auditorium at 7:30 p.m. Friday (Dec. 13) by the Texas Tech opera Theater.

The production will be the first mounting of a full-length standard opera by the campus group. The production will be presented with the cooperation of the Tech Symphony Orchestra, conducted by Paul Ellsworth. Opera Theater director Charles Lawrie is producer.

In keeping with Tech music department policy, the opera will be presented without admission charge, as a cultural service to the campus and area, Lawrie said.

A specially-revised English translation of "Figaro" will be used. A synopsis of the story of the opera is available from the music department without charge.

In announcing the production, Lawrie commented, "It is a pleasure for us to work on an opera of the quality and entertainment value of "Figaro". Such an undertaking is possible only because of our resources of student vocal and instrumental talent at Tech. If this continues to increase as it has for the last two seasons, we intend to make full-length popular opera an annual event."

(Sunday)

TECH CHRISTMAS CONCERT---Two of the principals in the Texas Tech music department annual Christmas Concert, at 3 p.m. today (Dec. 15) in the Tech Union ballroom, will be Dean Killion, directing the Tech concert band and combined varsity bands, and Gene ^eKenney, directing the Tech singers. Not pictured is John Gilbert, who will direct the Choral Belles. (TECH PHOTOT)

###

COWBOY'S CHRISTMAS BALL---Two members of Texas Tech's Rodeo Association put up the final poster in their ~~advertisement~~ publicity for the Cowboys' Christmas Ball tonight(Dec. 14) in the Tech Union. Proceeds of the dance will be given to the Lubbock Children's Home by the Rodeo Association.

(TECH PHOTO)



Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Texas Tech's music department will present the Tech concert band, choirs and the combined varsity bands in a Christmas Concert at 3 p.m. Sunday (Dec. 15) in the Tech Union ballroom.

The orchestra will be directed by Dean Killion; the Tech Singers, by Gene Kenney; and the Choral Belles, by John Gilbert. The concert is admission free and open to the public.

The program will open with the Choral Belles performing "Say, Where Is He Born?" by Mendelssohn; "In The Beginning" and "Christ Is Born" by Treblig; and "Apple-Tree Wassail," arranged by Bement.

Richard Tolley will conduct "Proud Heritage" by Latham and "A Lovely Rose Is Blooming" by Brahms.

The concert band will play "Carol of the Drum" by Davis-Werle and "Great Gate of Kiev" by Moussorgsky.

Vaughan-Williams' "Wassail Song" and "Fantasia on Christmas Carols" will be presented by the Tech Singers with Paul Benningfield, baritone solo, and Kent Hill, organ.

"March Carillion" by Hanson and "Greensleeves" by Reed will be conducted by Anthony Brittin. The combined varsity bands will conclude the program with "A Christmas Festival" by Anderson.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Porter Butts of the University of Wisconsin discussed the role that the student union should play on the modern college campus, in the keynote address to the Region 9 Association of College Unions meeting at Texas Tech Friday (Dec. 13) morning.

Butts described the student union as a college agency with a variety of purposes, including providing services as a "living room," as a dining room and as a part of the educational program of the college.

He told the group, "If I had to choose one purpose for a college union it would be to associate the union firmly with the purposes of education.

Butts, who is editor of publications for the national ACU, outlined the beginning and early history of the college union, first organized at Cambridge University in 1850.

He added that the union today is as normal and necessary a part of the college equipment as a gymnasium, dormitory or library, serving as a unifying force and place where faculty and students can meet on a common ground, in an informal atmosphere.

Butts stressed the function of the union as a place where easy exposure to the arts helps change the pattern of students from trivial to serious cultural pursuits.

"Good citizens are made by the experience of citizenship," he added. "The union strengthens our society by serving as a laboratory for citizenship for the students who volunteer and give their time for union work."

"You, the union leaders are the key to the outcome," he told the students. "It is not an easy task, but it is a crucial one."

(more)

Student Union--add 1

More than 200 students from four states are attending the three-day meet, hosted by Tech's Union.

Highlight of the afternoon session was the election of officers of Region 9, which is dividing into two regions after this year. Schools in Texas, Arkansas and Louisiana will be in Region 12 next year.

Elected as the new chairman of Region 12 was Howard Head of Richardson, delegate from Texas A & M University. Miss Margaret Saetre of Hattiesburg, Miss., delegate from Tulane University, was elected first vice chairman.

Today's (Dec. 14) activities will include workshops, staff sessions and discussion groups, as well as a steering committee meeting of old and new members at 10:30 a.m.

At 12:15 p.m. the delegates will meet for the final luncheon in the Tech Union ballroom, where Kenneth Hobbs, Lubbock attorney, will make the summary address.

The Tech Choir will entertain the participants during lunch. The meet will conclude with a vote on the 1964 conference site for the ACU groups.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

The 1963 Little International Livestock Show, sponsored by the Texas Tech Block and Bridle Club, will be unrehearsed at 1 p.m. Saturday (Dec. 14) in the Tech Livestock Pavilion.

A new event, the Fraternity Greased Pig Race, has been added for the 1963 show. Other events include the Mule Harnessing Contest, open only to faculty members of the Texas Tech animal husbandry department, and the Sorority Milkmaid Contest.

Bill Griffin, a county agent from Tahoka, will judge beef cattle; Raymond King of Lubbock, dairy cattle; Buddy Winter of Idalou, swine; James Barr of Lubbock, sheep; and B. J. Yates of Guthrie, quarterhorses.

The ham sale, to immediately follow the show in the Pavilion, will feature 100 hams to be sold to the highest bidder. Minimum bid will be \$15.

Among Tech students involved in the 1963 show are Todd Oliver, superintendent of the show; Kent Bennett, assistant superintendent; Charles Stamford, beef cattle chairman; Bill King, dairy cattle chairman; Dwaine Williams, swine chairman; Greg Bogard, sheep chairman; Skipper Driver, quarterhorse chairman; co-chairmen of the faculty Mule Harnessing Contest, Roy Cozart and Gerald Notty; Kent Boyeman, ham auction chairman; and Sally Berghane, in charge of the Sorority Milkmaid Contest.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

FOR SUNDAY

LUBBOCK--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 develop 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.

(more)

"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 nationwide 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, KTXT-TV. In addition, the Center will furnish speakers for schools, industry and fraternal, professional and social organizations.

Gilliam said that it would be necessary for the Center to carry on multiple activities to achieve the goals of providing leadership and service to the teaching profession and to the general public in continuing efforts to raise the general level of economic understanding.

The Center is expected to be financed through private grants.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

LUBBOCK---Texas Tech has selected 20 students for Who's Who Among Students in American Universities and Colleges for 1963-64.

Selections for the honor were based on leadership, character and service. A minimum grade point average of 2.65, out of a possible 4.0, was also required.

James G. Allen, dean of student life at Tech, said two representatives from each of the undergraduate schools composed the selection committee, with advice of the deans of the schools.

Tech students selected for the 1963-64 Who's Who include: Ronnie Botkin, junior industrial engineering major of Summerfield; James W. Cole, senior agricultural economics major of Slaton; Carolyn Ruth Cravens, senior chemistry major of Anthony; Royal Furgeson, senior English major of Lubbock; Catherine C. Gordon, senior Spanish major of Ft. Benning, Ga.; Patricia A. Hamilton, senior home and family life major of Cleburne; and Linda Hill, senior elementary education major of Cleburne.

Also selected were Mary Alice Hill, senior home economics education major of 7212 Turner, Fort Worth; Nancy Jones, senior secondary education major of Lubbock; Carolyn Ann Kelley, senior mathematics major of 1610 Ventura, Midland; Gary C. Lawrence, senior accounting major of Lubbock; Stephen P. Magee, junior economics major of Lubbock; Antonio Masso, senior chemical engineering major of Lubbock; Lynn McElroy, junior clothing and textiles and home economics education major of Lubbock; and John Moeser, junior government major of Lubbock.

(more)

WHO'S WHO--add 1

Other students include: Ann Orrick, senior secretarial major of 3201 Peckham, Wichita Falls; Judith Jean Price, senior French major of Lubbock; Charles Richards, senior journalism major of Jayton; Edith Carolyn Wood, senior business education major of 6714 Brookshire, Dallas; and Susan Wood, junior history major of Vernon.

Mailing Schedule For Dec 16-21

[illegible]

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Dr. Willa Vaughn Tinsley, dean of home economics at Texas Tech, and Dr. Bill C. Lockhart, head of Tech's applied arts department, are in Corpus Christi this week as part of a team evaluating the public schools there.

The evaluating team, working Monday, Tuesday and Wednesday (Dec. 16, 17, 18), is under the direction of Dr. Frank Hubert of Texas A & M University.

Dean Tinsley will evaluate home economics and Dr. Lockhart will evaluate the art program.

They will visit with school administrators; examine philosophy, objectives, facilities, methods and materials; and make recommendations for improving the program.

-30-

An article by Mrs. Mary Strout, assistant professor of English at Texas Tech has been published in the November issue of "The Classical Outlook," scholarly publication of the American Classical League.

Mrs. Strout's contribution, "Aeneas Slept Here," was the lead article on the front page of the publication.

It concerned an account of her trip to Ostia, Italy, near Rome, and her description of a classical play, performed in an ancient open-air theater.

Mrs. Strout was in Italy during the past summer as part of an annual European tour.

-30-

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

CAPTION

TEXAS TECH EXTENDS BEST WISHES FOR THE CHRISTMAS SEASON each year with a spectacular display of more than 16,000 colored lights, strung in outline of nine major campus buildings. The display was initiated by Harold Hinn, a member of the Texas Tech Board of Directors. Local businesses supply funds for the massive decoration, which has attracted attention throughout the Southwest as well as the South Plains and West Texas.

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Texas Tech's International Fair is continuing today (Dec. 17) in the Coronado Room of the Tech Union, where "customers have been flocking" to buy imported items, according to Mrs. Karen Moore of the Union.

Gifts were almost sold out by Monday (Dec. 16), but a new shipment was received from Germany and an additional order is expected today (Dec. 17). The new items from Germany include candies, steins and other inexpensive and unusual gifts.

Featuring a "world" of gifts for Christmas shoppers, the Fair is sponsored by the international interest committee to provide unusual and inexpensive gifts; to promote appreciation of other countries; and to raise funds for a scholarship for foreign students.

The Fair was scheduled to run from Sunday (Dec. 15) through Wednesday (Dec. 18). Gifts are displayed in booths set in each country's native atmosphere.

TECH'S "MISS PLEDGE" --- Miss Carole Barnes of Dallas has been named "Miss

Texas by
Pledge" of Tech at a Kappa Sigma social fraternity, ~~speaker~~. The 18-year-old
an equal of Chi Omega social sorority,
Tech freshman was elected from a group of representative pledges from each soror
ity at Tech.

(TECH PHOTO)

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Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Texas Tech students will begin their annual "exodus" at 10 p.m. Thursday (Dec. 19), when the college officially begins the Christmas holidays.

In an effort to combat traffic accidents with many students on the road, the traffic safety committee of the Student Council has conducted a campaign to remind students to drive carefully.

With the theme of "Will You Be Dying to Have a Merry Christmas," the Council has put up posters, displayed wrecked cars and staged a "mock wreck" Tuesday (Dec. 17).

Officials have announced a Christmas schedule of opening hours and days for the Post Office, Bookstore, Museum and Library.

The Library will be closed Dec. 22, 24, 25, 29 and Jan. 1. It will be open from 8 a.m. to 12 noon Dec. 21 and Dec. 28. It will be open from 8 a.m. to 5 p.m. Dec. 20, 23, 26, 27, 30, 31 and Jan. 2.

The Museum will be closed Dec. 23 and 30. It will be open from 2 to 5 p.m. Dec. 22, 24, 25, 26, 27, 28, 29, 31 and Jan. 1.

The Bookstore will be closed Dec. 21 through Dec. 28 and Jan. 1. It will be open Dec. 30 and Dec. 31.

The Post Office will be closed Dec. 25 and Jan. 1, and open until noon Dec. 26 through Dec. 31.

Classes will resume at 8 a.m. Friday (Jan. 3).

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Officials at Texas Tech have announced the Lubbock business concerns whose contributions made possible Tech's 1963 Christmas lighting viewed nightly by visitors and Lubbock residents since the "Carol of Lights" celebration.

Firms contributing were the Avalanche-Journal, Bell Dairy Products, Book and Stationery Center, The Borden Company, Bray's Campus Toggery, Bray's Sports Wear, Broadway Drug, Brown's Varsity Shop, College Avenue Barber Shop, Dozier's Trophy and Shoe Shop, The Dunlap Company, Forrest Lumber Co.

Furr's Super Markets, Garnett's Ice Cream Parlor, Hemphill-Wells Company, Herald Photo, Matador Barber Shop, Pioneer Natural Gas Company, Snell Drug Company, Thomas Jewelry, T.I.M.E. Frieght, Inc., and the Traditional Shop.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

SUITABLE FOR TIME COPY

LUBBOCK--"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 interesting 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 a 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.

(more)

Early Marriage study--add 1

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.

Generally speaking, schools in Texas deny the married students the opportunity to participate in extracurricular activities but impose no restrictions on their participation in the academic program.

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.

"The school cannot assume responsibility for many of the conditions conducive to premature marriage," he adds. "But it has an unusual opportunity in its access to each new generation and its influence on the individual."

"Education of the individual student in terms of a balanced social perspective may be one of the most effective ways the school can contribute to greater stability in marriage."

"This may mean a greater stress on social values in the curriculum," Dr. Fallon concludes. "To avoid the issue means that it will be self-perpetuated and will continue to grow."

(more)

Early Marriage study--add 2

Dr. Fallon is the executive director of the West Texas School Study Council and a frequent contributor to professional publications. Tunnel, formerly with the Study Council, received his Ed.D. degree from Tech in 1963 and is now curriculum director of McAllen schools.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Dr. Robert White, associate professor of psychology at Texas Tech, spoke in the Tech Union Tuesday (Dec. 17) night at the December meeting of Tech's Psi Chi, national honor society in psychology.

Dr. White, who has been studying the effect of irradiation to animal behavior, discussed his latest research.

He expects his findings to contribute to the information sought by the Atomic Energy Commission and to our knowledge of the nature of intelligence.

Dr. White outlined the history of the study of intelligence and irradiation, and in particular, irradiation of the embryo. He explained the physiological changes resulting from varying amounts of irradiation and irradiation of different areas of the animal's body at various times in the animal's development.

Dr. White is attempting to develop a "behavior microscope" as a means to determine more specifically these relationships and their effects on behavior.

LUBBOCK--Sarah Abernathy, Texas Tech home economic education major, ~~has~~
^{was} ~~been~~ chosen as best pledge for October by Gamma Iota of Alpha Phi.

~~_____~~
Miss Abernathy is the daughter of Mr. and Mrs. F. P. Abernathy Jr.,

6237 ~~Plaza~~ ^{Plaza}, Dallas.

Barbara Thomas, secondary education history major, was chosen active
of the month of November. She is the daughter of Mr. and Mrs. J. Carlton
Smith, ~~gem.~~ ^{gem.}, Dallas.

LUBBOCK--Kathy Butler, Texas Tech liberal arts major, was chosen
best pledge for the month of November by ^{uu} Gamma Iota ^{cl. y. r.} of Alpha Phi.

Miss Butler is the daughter of Mr. and Mrs. Sam W. Butler of Hamilton.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

Although Texas Tech officially closed for Christmas at 10 p.m. Thursday (Dec. 19), many Tech professors will be keeping busy during the holidays, attending various professional meetings throughout the country.

The Modern Language Association national meeting will be held in Chicago, Ill., Dec. 26 through Dec. 29. Dr. John Guilds, professor and head of English at Tech, and Dr. Ross Roy, professor of English, will represent the English department at the meet.

Dr. Harley Oberhelman, associate professor and head of foreign languages at Tech, will also attend the MLA meeting, along with Dr. Arren Hardee, associate professor; Alfred Strehli, professor; and Wolodymyr Zyla, assistant professor.

At the same time, Zyla will present a paper to the American Name Society, which meets in conjunction with the MLA in Chicago. His paper will be "Sir Names in the Kharkov Register of 1660."

The foreign language group will attend the American Association of Teachers of Spanish and Portuguese, and the American Association of Teachers of French, both meeting in conjunction with the MLA. Dr. Oberhelman will chair a session on Spanish in the elementary schools.

Two members of Tech's history department will attend the American Historical Association meeting in Philadelphia, Pa., Dec. 28, 29 and 30.

Dr. Dave Vigness, professor and head of history, and Dr. George Robbert, assistant professor, will attend that meeting.

(more)

Professors to meetings--add 1

In mathematics, Dr. Emmett Hazelwood, head of the department, Dr. Earl Gilmore, associate professor, and John Duke, instructor, will attend a meeting of the National Council of Teachers of Mathematics Dec. 26 through 28 in San Angelo.

From the School of Business Administration, three faculty members will be in Boston, Mass., and one in Miami, Fla., Dec. 26 through 29.

Dr. Lester S. Levy, professor of economics, will attend the American Economics Association; Dr. John A. Ryan, professor and head of marketing, will attend the American Marketing Association; and Dr. George W. Berry, associate professor of finance, will attend the American Finance Association, all meeting in Boston.

James T. Watt, assistant professor of business education and secretarial administration, will attend the American Business Writing meeting in Miami.

Dr. Donald W. Tinkle, professor of biology, will attend the national convention of the American Association for the Advancement of Science in Cleveland, Ohio, Dec. 26-31.

Dr. Tinkle will present an original paper entitled, "An Evaluation of Density Probability Functions in Determining Home Ranges of Animals."

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

SUITABLE FOR TIME COPY

LUBBOCK--A Texas Tech graduate student in music, who became interested in high fidelity sounds, is currently engrossed in a controversial "art form" known generally as electronic music.

Lowell Cross of Lubbock, music librarian at Tech, has even composed two musical creations involving electronic tape and electronic sounds created in a laboratory.

To many laymen they sound like "background music to Twilight Zone," Cross explains, but to the devotees of electronic music there is a systematic order, which they consider an important trend in contemporary music.

Actually there are three "schools" of music in this area. One utilizing electronic equipment to produce the sounds, is called "electronic music." The second, "musique concrete," is limited to electronically modifying natural sounds. The third is termed "tape music," which combines the two methods.

Rather than the conventional musical instruments, the tools of the trade in tape music are various kinds of electronic equipment, audio generators, electronic switches, tape recorders, plus unusual uses of standard instruments and natural sounds.

In one of his compositions, for instance, Cross incorporated the sound of his fingernail picking a piano string. In another place he used the sound of cymbals, modified electronically; and in another, electronic equipment was made to sound like standard organ, slightly out of tune. Cross uses a conventional piano in his work that is tuned in a completely different way from the standard piano.

(more)

electronic music--add 1

Cross' compositions, using electronics and natural sounds, are tape music. He calls them ".8 Century," opus 2, 1962, and "Decaphonics," opus 3, 1963. The first one commemorates the 80th birthday year of Igor Stravinsky; the second refers to the "duo-decaphonics" system of 12 chromatic tones in an octave.

Cross describes "decaphonics" as an extension of duo-decaphonics, where the piano is tuned with 10 tones to the octave instead of 12. Both are considered a radical departure from the norm in conventional music, which is repetitive, rather than "serialized", and has key centers.

Cross, who is sincere and dedicated to a belief in the future of electronic music, says that there are many advantages to this type of composition.

"In the first place, you don't have to worry about the competence of a performer when you compose the music," he explained. "The composer writes it and performs it on tape."

"Also, one is not limited to the conventional instruments, but may range far afield for new sounds. Electronic music 'opens all the doors'."

He adds that there are also disadvantages, but that they can be overcome. One such disadvantage is that notation is a great problem for the composer of electronic music, since the conventional notes aren't used.

Cross is generally unconcerned about critics of this new form, or the lack of appreciation or understanding by the public.

"Music is an abstract and personalized art anyway," he said. "It's especially hard to understand an evolution in music."

He disagrees with those proponents of electronic music who say that the entire development of music since Bach "has been a mistake."

"No music is intended to take the place of other music," he argues. "But we go through evolutions in all of the arts."

(more)

electronic music--add 2

"Present day composers aren't trying to tear down or destroy music," he said. "But merely to add to it."

Cross says that, to some people, forms of electronic music sound discordant, like "sound effects instead of music," disjointed, primitive or "too far advanced, like outer space."

"Actually, it's a matter of taste," he concludes. "And some persons' tastes don't include electronic music."

Cross currently has plans for another composition, even more "advanced" than his first two. The future piece may utilize performers, such as harpsichordists, a pianist, a percussionist and perhaps a live singer--all "electronically modified," of course, and largely unrecognizable to the average listener, uneducated to electronic art.

Texas Technological College
Department of Public Information
Adrian Vaughan, Director

A Texas Tech professor of education, Dr. Berlie J. Fallon, has received national recognition for his research on the early marriage problem in public schools.

Dr. Fallon, working with James W. Tunnel, now curriculum director of McAllen schools, conducted a state-wide survey in 1962 to determine the extent of early marriages and the methods by which schools may provide educational services to these married students.

The resulting article was published in the November issue of "Texas Outlook," official publication of the Texas State Teachers Association, and reviewed in the national newsletter, "Education USA," a special weekly report on educational affairs.

Dr. Fallon is an education professor at Tech and executive secretary of the West Texas School Study Council, a cooperative research group including 22 public school systems and Tech.

Tunnell was a research assistant and doctoral fellow with the Study Council in 1962-63. He received his Ed.D degree from Tech in August, 1963.

THE "SOUNDS" OF MUSIC---Lowell Cross, ^{of Lubbock} graduate student at Texas Tech,
checks ~~the~~ some of his "musical instruments" ^{TV} audio generators, electronic
switches, and tape recorders-- which he uses in composing electronic music.
Cross, music librarian at Tech, has ^{written} ~~composed~~ two electronic compositions
and is working on another. (TECH PHOTO)

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