

Date	Stories and Cutlines	Locals	Reg. Daily	Reg. Week	50 M's	Hometowns	Selected	Explanation
1-4-4-77	Petroleum Short Course						✓	
2-4-4-77	Indian Art Exhibit PSA's							Local TV & Radio
3-4-4-77	Head Start Meeting	✓	✓					
4-4-4-77	PSA "Oedipus The King"							Radio & TV
5-4-4-77	PSA " "							"
6-4-4-77	PSA Trilogy of Operatic Comedy							"
7-4-4-77	PSA " " "							"
8-4-4-77	PSA " " "							"
9-4-4-77	PSA " " "							"
10-4-4-77	PSA " " "							"
11-4-4-77	PSA " " "							"
12-4-4-77	PSA " " "							"
13-4-4-77	PSA " " "							"
14-4-4-77	PSA " " "							"
15-4-4-77	PSA " " "							"
16-4-4-77	PSA							"
17-4-4-77	Language department awards	✓						
18-4-3-77	Board of Regents	✓						
18-4-4-77	Pigs	✓	✓	✓	✓		✓	Swine list

Date	Stories and Cutlines	Locals	Reg. Dail	Reg. Week	50 M's	Hometowns	Selected	Explanation
19-4-5-77	Dooracek	✓						Odessa Amarillo, El Paso, Midland
20-4-5-77	Fire ecology & cutline	✓	✓	✓			✓	Ag list
21-4-5-77	petro. short course hometowns							
22-4-5-77	Atlanta Atlanta Ballet	✓	✓					
23-4-5-77	Natural Gas	✓	✓	✓	✓			
24-4-5-77	Langue awards / Germanic / Slavic Lang.							
25-4-5-77	D&A Atlanta Ballet							
26-4-5-77	P&A " "							
27-4-5-77	" Atlanta Ballet							
28-4-5-77	" " "							
29-4-6-77	D&F Workshop for older persons							
30-4-6-77	" " " " "							
31-4-6-77	\$50,000 contribution Ex-Students {cutline	✓	✓	✓				adj. radios
32-4-6-77	" Baroque Folk "	✓						- adjacent countries
33-4-6-77	Ysabel Hill - Odessa	✓						Odessa San Angelo Midland
34-4-6-77	Historical Engineering Site	✓	✓				✓	New M. Dailies
35-4-6-77	Ex-Student's Paper	✓	Radio & TV					Regional Radio & TV
36-4-6-77	Bertrand							

Date	Stories and Cutlines	Locals	Reg. Daily	Reg. Week	50 M's	Hometowns	Selected	Explanation
37-4-6-77	Distinguished Engineers	✓	✓					
38-4-6-77	Violin Recital - Patricia Barnett	✓						Adj. Counties
39-4-6-77	Faculty Recital - Anthony Britten	✓						Adj. Counties
40-4-6-77	ARCS Arts							
41-4-6-77	Edward Blehl talk at Simon	✓	✓					
42-4-6-77	P3A "Improve Your Communications"	✓	T.V.					
43-4-6-77	" "Improve Your Communications"	✓	Radio					
44-4-6-77	Dr. Paul E Zintgraff - ^{Regional School} Board Workshop	✓	✓	✓				
45-4-6-77	TTU Home Economics Alumni Luncheon							
46-4-6-77	African Students	✓	✓	✓				
47-4-6-77	Romeo-Lubrock artist ^{exhibition}	✓		✓			✓	adjacent counties
48-4-6-77	Sigma Xi - Planetarium Show	✓						
49-4-6-77	Treasures of Tutankhamun ^{presentation}	✓					✓	adj. counties
50-4-6-77	Law Exhibit	✓					✓	" "
51-4-6-77	Sigma Xi	✓						
52-4-6-77	Reese courses							
53-4-6-77	Sperry	✓	✓				✓	auto list from Bacon's
54-4-7-77	Social Sciences	✓	✓					

Date	Stories and Cutlines	Locals	Reg. Dail	Reg. Week	50 M's	Hometowns	Selected	Explanation
55-4-7-77	Dr. Harold T. Luce	✓						
56-4-7-77	PSA - Women's Continuum	✓	Radio					
57-4-7-77	"Women's Continuum slide spot"	✓	T.V.					
58-4-7-77	"Trilogy of Operatic Comedy"	✓						adjacent counties
59-4-7-77	Mallett Distinguished Percussion Ensemble	✓						adjacent counties
60-4-7-77	Distinguished Engineers hometowns							Houston
61-4-7-77	Accounting Emphasis Week	✓						
62-4-7-77	Kellogg recital	✓						adjacent counties
63-4-7-77	Milman recital	✓						" "
64-4-7-77	FASB	✓	✓					
65-4-7-77	Dance workshop	✓						adjacent counties
66-4-7-77	John Ball - distinguished eng.					✓		
67-4-7-77	Cutline - Phi Kappa Phi (4 people)							UD, WT Times
68-4-7-77	Cutline - Phi Kappa Phi (3 people)							AJ
69-4-7-77	William A. Shaver ^{1/2} crossing (Phi Kappa Phi)							AJ, UD, WT Times
70-4-8-77	Dr. Emory H. Davis (SSA)							
71-4-7-77	Board of Regents	✓	-	-				
71-4-7-77	Museum appointments	✓						
72-4-7-77	Easter eggs							

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

CONTACT: Dan Tarpley

Attn.: Petroleum editor

LUBBOCK--Seven Houston oil company executives and engineers will participate in the program for the Southwestern Petroleum Short Course at Texas Tech University.

The 24th annual short course, April 21-22, is sponsored by the petroleum industry of West Texas in cooperation with the Department of Petroleum Engineering at Texas Tech. Approximately 500 petroleum engineers, technicians and management personnel are expected to attend.

The Houstonians who will deliver papers and present demonstrations are: B. Zemel, 8415 Burning Hills, senior research chemist for Shell Development Company; C.E. Cooke, 8720 Memorial, John Gidley, 5211 Caversham, and Dean H. Mutti, 7303 Tall Pines, all with Exxon Company, U.S.A.; E.E. Milner, 2605 Huckleberry, Pasadena, manager, Reservoir Evaluation Department, Johnston-Schlumberger; William E. Seffens, 11407 Cold Spring, product manager, Producing Wells Chemicals, Nalco Chemical Company; and Richard E. Irby, 23127 Harpergate, Spring, supervisor, Tech Services, Dresser Industries.

Zemel will join W.D. Burton, also of Shell Development Company, in discussing troubleshooting oil-water separators by measuring their residence-time distribution.

-more-

Houstonians at short course/add one

Irby's topic is "Wellsite Monitoring and Control of Rod Pumped Wells." Seffens will talk on matching corrosion needs of rod-pumped oil well systems with special properties of corrosion inhibitors.

Milner will participate in a report that "field results have verified that the McKinley afterflow method can be used with a good degree of accuracy for calculating reservoir parameters using drill stem test data even though the data may not be suitable for performing a conventional type of analysis."

A paper describing a new material developed for propping hydraulic fractures in deep wells will be presented by Exxon's Cooke, Gidley and Mutti.

Presentations by Houston oil men will be among 36 to be delivered during the two-day short course.

Texas Tech News

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CONTACT: Dan Tarpley

Attn.: Petroleum editors

LUBBOCK--Bobby R. Payne of Wichita Falls, operations manager for E.W. Moran Drilling Co., Inc., will participate in the program for the Southwestern Petroleum Short Course at Texas Tech University.

He will join two drilling executives with Odessa operations of Amoco Production Co., R.A. Hook and L.W. Cooper, in discussing air, gas and foam drilling techniques.

Their presentation will report that a considerable number of wells have been drilled successfully, efficiently, and economically by using air as the circulating medium.

"Drilling with air instead of ~~more~~ conventional fluids can provide significant advantages such as greatly reduced drilling times with resultant dollar savings, immediate and continuous hydrocarbon detection, and minimum damage to liquid-sensitive pay zones," Payne said.

Their presentation is one of 36 to be delivered during the two-day short course.

The 24th annual short course, April 21-22, is sponsored by the petroleum industry of West Texas in cooperation with the Department of Petroleum Engineering at Texas Tech. Approximately 500 petroleum engineers, technicians and management personnel are expected to attend.

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CONTACT: Dan Tarpley

Attn.: Petroleum editor

LUBBOCK--Four members of the Texas A & M University Petroleum Research Committee will present a paper and demonstration at the Southwestern Petroleum Short Course at Texas Tech University.

Paul B. Crawford, Michael Rushing, Bruce Reynolds and Bruce C. Thomasson will tell the short course participants that laboratory studies indicate that miscible displacement of light crude oils by high pressure nitrogen injection is possible.

Their presentation is one of 36 to be delivered during the two-day short course April 21-22. It is sponsored by the petroleum industry of West Texas in cooperation with the Department of Petroleum Engineering at Texas Tech. Approximately 500 petroleum engineers, technicians and management personnel are expected to attend.

Crawford lives at 1100 Edgewood, Bryan; Thomasson and Reynolds at 3031 Texas Avenue, and Rushing at Wellborn.

TexasTech News

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CONTACT: Worth Wren

ATTN: Public Service Directors

(*This is a What's What slide spot. We thank you.)

10 Seconds

VIDEO

SLIDE #1 . . .

AUDIO

WHAT'S WHAT AT TEXAS TECH? TWO THOUSAND YEARS OF NORTH AMERICAN INDIAN ART, "THE MOST IMPORTANT EXHIBIT OF ITS KIND EVER ASSEMBLED," SPECIAL TECH TOUR TO KANSAS CITY, MAY FIFTH, CALL 742-2424.

-30-

2-4-4-77

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

CONTACT: Nita Gilger

LUBBOCK--Texas Tech University will conduct the first Region Six Head Start meeting, to be held in Dallas Tuesday through Thursday (April 5-7) for educators of handicapped children in a five-state area.

Lady Bird Johnson, Head Start's first national chairperson and organizer, will keynote. Emphasizing Head Start's beginning, she will report on progress to date and on plans for the future.

The former First Lady also will discuss successful work of Head Start illustrated by examples of four Lorenzo High School students who will be at the conference.

These students began in the Head Start program when they were five years old. They are now high achievers in academics and leadership positions as high school seniors, according to Dr. Mary Tom Riley, conference director and Texas Tech home economics professor.

Riley said Mrs. Johnson will cite these students and others as documentation of Head Start's success.

"Images of the Future" is the theme of 11 workshops limited to 500 persons elected to represent 40,000 persons in Head Start projects in Louisiana, New Mexico, Texas, Arkansas and Oklahoma.

-more-

Texas Tech's Regional Training Office has compiled a book, "Dare to Share," which will be offered to conference participants. It is the result of a field survey of the five regional states' 30 consortiums to find the most innovative and educational methods helping handicapped children and their parents, Riley said.

Texas Tech also will deliver a film presentation about Head Start to be dedicated to Mrs. Johnson.

A banquet with the theme, "Reflections," will be a program feature. Dr. Donald S. Longworth, Texas Tech home economics dean, will give the welcoming address, and James Robinson, Washington, D.C., national chairman of Head Start, will be the principal speaker.

Lucy Johnson Nugent will present a program on "Visualization" for a luncheon program. Riley praised Nugent, a specialist in visualization, as a dedicated leader in the Head Start program.

The final day of the conference will include a panel of federal Head Start representatives from Washington, D.C., and Dallas.

TexasTech News

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CONTACT: Worth Wren

ATTN: Public Service Directors

(*This is a What's What slide spot. Thank you.)

10 seconds

VIDEO

AUDIO

SLIDE #1

WHAT'S WHAT AT TEXAS TECH? "OEDIPUS THE KING," BY
SOPHOCLES, APRIL FIFTEENTH THROUGH TWENTIETH,
EIGHT-FIFTEEN, NIGHTLY, UNIVERSITY THEATRE. TICKETS,
TWO-FIFTY, ONE-SEVENTY-FIVE AND ONE DOLLAR.

--30--

4-4-4-77

TexasTech News

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CONTACT: Worth Wren

ATTN: Public Service Directors

(Please use this PSA prior to or on April 24th. Thanks much.)

30 seconds

TEXAS TECH UNIVERSITY MUSIC THEATRE PRESENTS AN EVENING OF
MUSIC AND LAUGHTER, WITH A TRILOGY OF OPERATIC COMEDY, INCLUDING
(POO-CHEE'-NEE) (BOO'-CHEE'S)
WORKS BY MOZART AND PUCCINI AND BUCCI'S "SWEET BETSY FROM PIKE,"
APRIL TWENTY-SECOND THROUGH TWENTY-THIRD AT EIGHT-FIFTEEN P.M.
A SPECIAL MATINEE IS SET FOR THREE P.M., APRIL TWENTY-FOURTH.
ALL PERFORMANCES ARE IN THE UNIVERSITY CENTER-MUSIC RECITAL HALL.
TICKETS ARE TWO DOLLARS FOR THE GENERAL PUBLIC AND ONE DOLLAR FOR
TECH STUDENTS. CALL 742-3610.

--30--

6-4-4-77

TexasTech News

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CONTACT: Worth Wren

ATTN: Public Service Directors

(Please use the four slides included with this PSA prior to or on April 24th. Thanks much.)

30 seconds

VIDEO	AUDIO
SLIDE #1	TEXAS TECH UNIVERSITY MUSIC THEATRE PRESENTS AN
	EVENING OF MUSIC AND LAUGHTER, WITH A TRILOGY OF
	(POO-CHEE'-NEE)
SLIDE #2	OPERATIC COMEDY, INCLUDING WORKS BY MOZART AND PUCCINI
	(BOO'-CHEE'S)
	AND BUCCI'S "SWEET BETSY FROM PIKE," APRIL TWENTY-SECOND
SLIDE #3	THROUGH TWENTY-THIRD AT EIGHT-FIFTEEN P.M. A SPECIAL
	MATINEE IS SET FOR THREE P.M., APRIL TWENTY-FOURTH.
SLIDE #4	ALL PERFORMANCES ARE IN THE UNIVERSITY CENTER-MUSIC
	RECITAL HALL. TICKETS, TWO DOLLARS AND ONE DOLLAR.
	FOR MORE INFORMATION, CALL 742-3610.

--30--

7-4-4-77

Texas Tech News

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CONTACT: Worth Wren

ATTN: Public Service Directors

(*This is a What's What radio spot. Thank you very much.)

10 seconds

**WHAT'S WHAT AT TEXAS TECH? A TRILOGY OF OPERATIC COMEDY,
APRIL TWENTY-SECOND THROUGH TWENTY-THIRD, EIGHT-FIFTEEN P.M., AND
APRIL TWENTY-FOURTH, THREE P.M., IN RECITAL HALL.**

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8-4-4-77

TexasTech News

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CONTACT: Worth Wren

ATTN: Public Service Directors

(*This is a What's What radio spot. Thank you.)

10 seconds

WHAT'S WHAT AT TEXAS TECH? THREE OPERATIC COMEDIES, INCLUDING
(BOO'-CHEE)
"SWEET BETSY FROM PIKE," BY BUCCI, APRIL TWENTY-SECOND THROUGH
TWENTY-FOURTH, TICKETS, TWO DOLLARS FOR THE GENERAL PUBLIC AND
ONE DOLLAR FOR TECH STUDENTS.

--30--

10-4-4-77

Texas Tech News

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CONTACT: Worth Wren

ATTN: Public Service Directors

(*This is a What's What slide spot. Thank you.)

10 seconds

VIDEO

AUDIO

SLIDE #1

WHAT'S WHAT AT TEXAS TECH? THREE OPERATIC COMEDIES,
(BOO'-CHEE)
INCLUDING "SWEET BETSY FROM PIKE," BY BUCCI, APRIL
TWENTY-SECOND THROUGH TWENTY-FOURTH, TICKETS, TWO
DOLLARS FOR THE GENERAL PUBLIC, ONE DOLLAR FOR TECH
STUDENTS.

--30--

13-4-4-77

Texas Tech News

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CONTACT: Dan Tarpley

LUBBOCK--The Germanic and Slavic Languages Department at Texas Tech University will recognize approximately 25 students for academic achievement at an awards banquet, 7:30 p.m., Wednesday (April 6).

The banquet will be in the University Center Ballroom. Deadline for purchase of \$4 tickets is noon, Tuesday, April 5, according to Dr. Carl Hammer, department chairperson. Tickets may be purchased from instructors in the department or from the departmental office.

Dr. Idris R. Traylor Jr., professor of history, will be principal speaker. He will report on his recent travels in Austria and Central Europe.

Initiation ceremonies will be conducted by Dobro Slovo at 6:30 p.m. and Delta Phi Alpha at 7 p.m., both in the University Center Ballroom, preceding the banquet. The organizations are language honoraries.

-30-

17-4-4-77

Texas Tech News

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CONTACT: Jane Brandenberger

FOR IMMEDIATE RELEASE

The Board of Regents of Texas Tech University and School of Medicine will convene at 8:30 a.m., Thursday (April 7), in the Board Room of the Administration Building.

Following a scheduled executive session the Regents will meet in open session at 10:05 a.m. to consider academic and financial subjects of the medical school.

Among those items are promotion of recommended faculty members, granting of tenure to certain faculty, fee assessment for student malpractice insurance and an amendment to an interagency contract between the university and the medical school covering current operating services.

On behalf of the university the board will consider promotion and granting of tenure to certain faculty members, sale of student fee revenue bonds for new construction, guidelines for use of student aid funds from the Thornton Estate, replacement of the AstroTurf on Jones Stadium football field, awarding a contract for new seating in that stadium, expansion of the stadium ticket office, remodeling of the press box guest section and of the University Bookstore.

Student fee revenue bonds would be sold for some \$8,000,000 to build Phase II of the New Deal Farm project and new facilities for student recreation.

Jessie W. (Mrs. Dan) Thornton provided in her will for \$100,000 to used for benefit of needy students at Texas Tech. These students may borrow from the fund to be known as the "Jessie and Dan Thornton Student and Research Development Fund."

The Regents will meet only on Thursday as the following day is Good Friday.

Texas Tech News

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CONTACT: B. Zeeck

ATTENTION: AGRICULTURAL EDITORS

COLLEGE STATION--The Texas Pork Producers Board Monday awarded Texas Tech University animal scientists a grant of \$2,200 to study sow nutrition before and after farrowing in an effort to increase the survival rate of baby pigs.

The award was made at the producers' annual meeting in College Station.

Principal investigators for the project are Drs. Leland F. Tribble and Donald E. Orr.

"The number of pigs produced per sow per year is a major factor in swine profits," Dr. Tibble said. "The loss of pigs soon after birth is one of the major causes of profit loss."

Two factors appear to have a major influence on the piglet death rate, he said. These are the weight of the pig at birth and the ability of the sow to produce sufficient milk after farrowing.

Tribble and Orr will compare a two-stage feeding program during the gestation period with the constant feeding program generally used. While half of the sows in the experiment will be fed four pounds of feed per head per day throughout the gestation period, the other half will be fed three pounds per head per day for the first 75 days and six pounds per day for the last portion of the gestation period, from the 76th to the 109th day.

"It is in this latter period that most of the growth of the pig in utero takes place," Tribble said.

-more-

After farrowing, a condition called MMA (Metritis, Mastitis and Agalactin) is a common problem in swine herds. When the condition exists, milk production ceases or is greatly reduced. Baby pig losses result because of starvation.

"In most cases constipation in the sow is a symptom associated with MMA," Tribble explained. "Bulky, high fibrous feeds have been used for a laxative effect, but these feeds reduce the energy value of the ration."

"We will use a feed containing 1 percent magnesium sulfate (Epsom salts), a chemical laxative, for five days after farrowing. This should provide energy concentration but relieve the MMA condition."

While control sows will be fed in the traditional way, the experimental sows will be assigned to treatments on the day they are bred and will remain on the treatment for three consecutive reproductive cycles. A sorghum-soybean meal ration will be used.

Twenty sows and gilts are bred every 21 days at the Texas Tech swine farm. Three groups of sows will be used in the experiments.

Texas Tech News

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CONTACT: B. Zeeck

LUBBOCK--Prof. Marvin Dvoracek, chairperson of the Department of Agricultural Engineering at Texas Tech University, has been promoted to the rank of full colonel in the U.S. Army Reserve.

He is commandant of the 4166th USAR School which has satellite, or teaching locations, in Amarillo, El Paso and Midland. Headquarters are in Lubbock.

-30-

19-4-5-77

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

CONTACT: Jean Terrell

ATTN: Agriculture Editors

LUBBOCK--Old ideas about fires are going up in smoke as research at Texas Tech University continues to indicate that, far from being the scourge it was once thought to be, fire is a valuable tool in range management.

Prescribed burning of rangeland can increase grass production, make forage more accessible to livestock, improve wildlife habitat, control undesirable shrubs, provide a mineral seedbed for establishment of commercial trees and control certain plant diseases, according to Dr. Henry A. Wright, Texas Tech professor of range and wildlife management.

"The real problem now," said Wright, "is that we need a transfer of technology from university to rancher. After 10 years of research we know a lot that ranchers can use if we can get the information to them.

More students are studying fire ecology every year at Texas Tech. "It takes two or three years for a person to become a competent fire ecologist," Wright estimated. "In addition to training, he or she needs common sense and good judgment."

-more-

"One needs knowledge of weather, fire behavior and plants," he said. "Inexperienced people have no idea how fierce fire can be at times and how docile at other times. They tend to be far too cautious or to have no fear at all. If you have no fear, it's dangerous. If you're overly cautious, you can't get the job done."

Wright emphasized marked differences between effects of a wildfire and a prescribed burn. A wildfire burns parts of two or three pastures. Livestock then concentrate on burned areas where grass is tender and contains more protein, and burned areas develop a bad appearance from overgrazing.

Prescription burning is done on a "manageable unit basis." Livestock then graze equally over the entire area and land appearance is entirely different.

Brush control by burning is cheaper than using chemicals which cost about \$7.50 an acre, while a prescription burn by Texas Tech costs about \$2 an acre in mesquite-tobosa country and \$5 an acre in cedar country. Wright said a rancher could probably do the job for himself for 50 cents an acre but would need expert assistance with his first couple of burns.

If wildlife is part of the ranching program, about 20 per cent of the area should be left unburned because, while wildlife prefer to feed in burned areas, they also need cover. Protecting tall trees, islands of trees, draws and steep slopes provides a mixed habitat.

Wright said this is the best approach, since it provides shade for cattle and aesthetic satisfaction for people.

fire ecology / add two

Wright said some impressive results have been demonstrated with prescription burning of rangeland. Grass production has at least doubled and grass utilization has increased after burns near Colorado City. Five years after a burn in the Rolling Plains 25 per cent of the mesquite and 70 per cent of the prickly pear were dead and grass production increased. In a dense cedar area of the Edwards Plateau, one rancher was able to increase carrying capacity from 1 cow per 50 acres to 1 cow per 5 acres after bulldozing the cedar and broadcast burning.

Planning for a prescription burn may begin two years in advance, according to Wright. In West Texas firelines are usually prepared in November before burning in February when grasses are dormant and no harm will occur to nests or young animals.

Livestock can usually graze the area four months after a burn, although in dry years the range may require eight months to be ready for grazing. In mesquite-tobosa country livestock can graze after two or three weeks.

Range burning creates comparatively little pollution. The main pollutant is "particulate matter," the black material that goes up in the air. It falls to earth during the next rain, doing no harm, said Wright. "However, if there is a lot of dust in the air already, we hesitate to overload the air with particulate matter which might irritate allergies."

cutline-----

PRESCRIPTION BURNING--Controlled range burning benefits plant and animal life and is an economically sound method of brush control. Research in the Texas Tech University College of Agricultural Sciences demonstrates its value as a range management technique.

-30-

20-4-5-77

Texas Tech News

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CONTACT: Dan Tarpley

LUBBOCK--Two Duncan, Okla., oilmen, T. R. Gardner and William G. F. Ford, with Halliburton Services, will report on precipitation caused by liquid carbon dioxide in a carbonate formation treatments at the Southwestern Petroleum Short Course at Texas Tech University.

The 24th annual short course, April 21-22, is sponsored by the petroleum industry of West Texas in cooperation with the Department of Petroleum Engineering at Texas Tech. Approximately 500 petroleum engineers, technicians and management personnel are expected to attend.

Gardner and Ford report that the treatment is designed to promote faster cleanup. "Under certain conditions, dissolved carbon dioxide and calcium react to form a calcium-carbonate precipitate," they said.

Their presentation discusses the conditions of pH, temperature, and pressure under which calcium-carbonate does not precipitate.

"Experimental results have shown that hydrochloric acid pretreated with carbon dioxide will not form calcium-carbonate upon reacting in limestone unless the system equilibrium is altered by an increase in pH," they said.

"A pH change can result from mixing with formation water. To reduce such a change, buffering agents such as organic acids have been added."

-more-

petroleum short course / add one

The Duncan speakers will discuss a case-history gas well in western Oklahoma in which a calcium-carbonate precipitate was formed, following injection of carbon dioxide in hydrochloric acid.

Their presentation is one of 36 to be delivered during the two-day short course.

Gardner lives at 2809 W. Beech and Ford at 2 South 28th. Both are chemists with Halliburton Services.

-30-

21-4-5-77

Texas Tech News

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CONTACT: Worth Wren

ATTN: Entertainment News and News Editors

(Please use this story before or on April 16. Thanks.)

LUBBOCK--The oldest professional ballet company in the United States will spend three days in residence and give two performances at Texas Tech University April 14-16.

The company is the Atlanta Ballet, also known as the "State Ballet of Georgia," one of the top four ballet companies in the nation. Two performances are planned, both at 8:15 p.m., Friday and Saturday, April 15 and 16, in the University Center Theatre.

"Unique nationally," according to the "Atlanta Constitution," the Atlanta Ballet was founded in 1929 by Mrs. Dorothy Alexander. The company's experience and talent have brought it rave reviews such as this one from the "Atlanta Journal":

"The Atlanta Ballet combines wit, dramatic intensity and classical grace into an exciting evening of dance."

In addition to the two regular performances, the Atlanta Ballet will present "A History of Dance" at 6:30 p.m., Thursday, April 14, in the University Center Theatre. The hour-long lecture-demonstration explores dance as a medium of communication.

Tickets are \$4 and \$2.50 for each of the two performances and \$1 for the lecture-demonstration. For more information call (806) 742-3610. The program is being sponsored by University Center Cultural Events with a National Endowment for the Arts grant.

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

CONTACT: Kay Hord

LUBBOCK--Approximately six million acres of irrigated crop land in the Texas High Plains could be left high and dry because of rising prices of energy used in powering irrigation pumps.

Dr. Kenneth P. Young, of the Agricultural Economics faculty at Texas Tech University, said he conducted research to determine impact of rising energy prices on agricultural production in the High Plains.

The study included effect of higher energy prices on competition with other agricultural areas for production of major crops, cropping patterns, decline in irrigated acreage, farm income and land values.

Higher energy prices could have national impact, creating a new focus on the High Plains' importance as an area of production but, at the same time, eventually result in a possible decline in the numbers of people engaged in farming in this area.

The research strongly indicates that higher energy prices are causing a shift to smaller irrigation applications per acre of crop land and some movement from irrigated crops to dryland.

Smaller irrigation applications and dryland farming reduce crop yield per acre. This could have a two-fold effect: a reduction in supply of certain commodities, especially crops requiring intensive irrigation, and a lessening of farm income.

-more-

"The High Plains will be at some economic disadvantage with other production areas which require less irrigation. Farmers on the High Plains will be producing less at higher production costs due to increased costs of irrigation," Young said.

"There may even be a shift in cotton production. The High Plains has had a production cost advantage over southeastern areas because of lack of insect problems. However, rising natural gas prices may change this."

Lower farm income implies lower land values. Higher natural gas prices may discourage farmers from paying higher prices demanded for irrigated land, again decreasing land value.

"An additional problem," Young said, "is that some utility firms apparently are not accepting new customers. One report attributes this to the fact that pipelines are already operating at capacity, and the utility firms may lack incentive to invest in more pipelines because of the uncertainty of continued High Plains irrigation."

As a result, some farmers have to turn to electricity or diesel fuel, but on the High Plains electricity is derived from generation powered by natural gas. Higher natural gas prices thus affect the supply of electricity, while diesel prices are also rising, he said.

Young will present some implications of his research at the annual meeting of the Southwest Region of the American Society of Agricultural Engineers at Lubbock's Hilton Inn at 8 a.m., Friday (April 8), in meeting room one.

He was assisted in his research, conducted for the Texas Governor's Energy Advisory Council, by High Plains Underground Water Conservation District One.

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

CONTACT: Nita Gilger

FOR RELEASE AT 7:30 p.m. APRIL 6

LUBBOCK--Twenty-six Texas Tech University students were presented awards and scholarships by the Department of Germanic and Slavic Languages at an awards banquet, Wednesday (April 6).

Dr. Idris R. Traylor, Jr., deputy director of ICASALS and Texas Tech history professor, spoke on his travels in Austria and Central Europe.

Winner of the Roscoe Wilson Memorial Scholarship, which requires a 3.0 grade point average, was Sheryl Dwyer, Port Arthur sophomore. Alternate was Donna Doyle, Azle sophomore.

The Charles B. and Jeanne Qualia Memorial Scholarship, also requiring a 3.0 grade point average, was presented to Cynthia Donan, Lubbock senior, and the alternate was Katie Reynolds, Lubbock senior.

Book awards were presented to the following students:

Elaine Hrcir, Robstown senior, third-year outstanding German student.

Sheryl Dwyer, Port Arthur sophomore and Gregory Geis, Lubbock senior, fourth-year most outstanding German students.

Michael Hampton, Gainesville, Fla., graduate student, most outstanding student in the graduate reading course.

Tommie Simmons, Houston graduate student, for the National Council of Delta Phi Alpha meritorious student award in German.

The German Play Award for outstanding performance in four major productions was awarded to Randy Alford, Grand Prairie graduate student.

Valrie Hildreth, Lubbock junior, won the Certificate of Merit award in Chinese.

-more-

banquet awards / add one

The Russian certificates of merit were presented to Stacy Hart, Odell junior, Ihor Bemko, Houston junior, and Francis Sanger, Lubbock junior.

German merit awards were received by Linda Caudle, Garland junior; Linda Caron, Fort Worth sophomore; David Deaton, Richardson junior; Donna G. Doyle, Azle sophomore; Paul Lockhart, Lubbock senior; Rhonda Luxton, Odessa sophomore; Nance K. Reis, Beaumont junior; Victoria J. Ronayne, Borger senior; Janice Sheehan, Lubbock senior; Pete Sherrod, Lubbock junior; Carla Smith, New Braunfels sophomore; and James Tucker, Irving junior.

Dr. Carl Hammer, professor and chairperson of the Department of Germanic and Slavic Languages, presented the awards.

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24-4-5-77

TexasTechNews

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CONTACT: Worth Wren

ATTN: Public Service Directors

(*This is a What's What radio spot. Thank you again.)

10 seconds

WHAT'S WHAT AT TEXAS TECH? THE ATLANTA BALLET, TWO
PERFORMANCES, BOTH AT EIGHT-FIFTEEN P.M., APRIL FIFTEENTH AND
SIXTEENTH, UNIVERSITY CENTER THEATRE, TICKETS, FOUR DOLLARS AND
TWO-FIFTY.

--30--

26-4-5-77

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CONTACT: Worth Wren

ATTN: Public Service Directors

(*This is a special 20-second What's What radio spot. Thanks.)

20 seconds

WHAT'S WHAT AT TEXAS TECH? THE OLDEST PROFESSIONAL BALLET
COMPANY IN THE UNITED STATES, THE ATLANTA BALLET, TWO PERFORMANCES,
BOTH AT EIGHT-FIFTEEN P.M., APRIL FIFTEENTH AND SIXTEENTH,
UNIVERSITY CENTER THEATRE. TICKETS, FOUR DOLLARS AND TWO-FIFTY.
CALL 742-3610.

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28-4-5-77

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CONTACT: Worth Wren

ATTN: Public Service Directors

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10 seconds

**WHAT'S WHAT AT TEXAS TECH? OPEN TO THE PUBLIC, A WORKSHOP
DEALING WITH MENTAL, SOCIAL AND HEALTH PROBLEMS OF OLDER PERSONS,
APRIL TWENTY-NINTH THROUGH THIRTIETH, IN UNIVERSITY CENTER. CALL
742-3797.**

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29-4-6-77

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

FOR IMMEDIATE RELEASE

CONTACT: Jane Brandenberger

LUBBOCK--The Ex-Students Association of Texas Tech University has presented its largest single contribution, \$50,000, to the university and its programs, Association President W. K. "Bill" Barnett of Levelland announced today.

The funds were committed in recognition of the university's highest priority needs, as determined by President Cecil Mackey, Barnett said.

Approximately \$20,000 will be allotted to faculty development and academic enrichment and \$27,000 for academic scholarships, including the National Merit Scholarships, Valedictorians' Scholarships and academic recruiting programs. Smaller amounts have been designated for a Law School project, for the Library and for staff awards.

"I only can hope that this is the first of a series of meaningful contributions to the programs of Texas Tech and its President. We, the Association, are enthusiastic about our future and certainly about our relationship with the university's Administration," Barnett commented.

President Mackey responded, "This is a significant step forward in university support by the Ex-Students Association. I am confident that we are well on our way toward a relationship between the university and alumni that will help Tech achieve true academic excellence."

cutline-----

EX-STUDENT SUPPORT FOR TEXAS TECH--W. K. "Bill" Barnett, left, president of the Texas Tech University Ex-Students Association, presents \$50,000 to support the university and its programs. Texas Tech President Cecil Mackey, right, accepts for the university. Participating in the presentation ceremony in the president's office is Dr. Clyde E. Kelsey, Jr., vice president for Development and University Relations. Barnett is president of the First National Bank of Levelland. (Tech Photo)

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31-4-7-77

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

CONTACT: Dan Tarpley

LUBBOCK--The "Baroque Folk," a Texas Tech University ensemble made up of Texas Tech faculty, a private music teacher and a former music student, will present a free concert at 7 p.m., Sunday (April 10), in the Recital Hall at the university.

Texas Tech faculty members in the ensemble include Drs. Judson D. Maynard, Michael C. Stoune and Peter L. Abernethy. Other musicians include Gladys Maynard, private music teacher in Lubbock, and Bill Delavan, former Tech music student majoring in double bass. He also plays the gamba. Stoune will be featured on the baroque flute, Dr. Maynard on the viola da gamba, Mrs. Maynard on the harpsichord, Abernethy on the recorder and Delavan on the continuo gamba.

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32-4-6-77

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

CONTACT: B. Zeeck

LUBBOCK--Greg Hill, Odessa senior majoring in electrical engineering at Texas Tech University, will compete Thursday (April 7) in a regional contest in Oklahoma City with his research paper on pulse-forming network design.

Hill's paper earlier won second place in an area contest sponsored by the Institute of Electrical and Electronics Engineers (IEEE). The area includes Texas, eastern New Mexico and western Louisiana. His award included a certificate and \$25 check.

For his research Hill designed and built three different forms of electric pulse-forming networks. He applied textbook theory for his own experimental problem. Of the three networks he found one system simpler to build and less costly.

In each system he was able to apply 250 volts to a 4-0hm load for two microseconds but, Hill explained, the theories he was using are also utilized in other efforts, for example in a current one to construct a 20-trillion watt laser system for experimental purposes.

His work is important in such applications as development of lasers, radar or fusion research.

-more-

hill / add one

Hill's research, paper preparation and presentation were supervised by Prof. Tommy R. Burkes of the electrical engineering faculty. Dr. Stanley R. Liberty of the EE department is student branch counselor for IEEE.

Purpose of the contest is to give student IEEE members opportunities to improve written and verbal communication so that they can better express ideas related to engineering.

Hill is the son of Mr. and Mrs. Billy J. Hill, 1513 Castle Road, Odessa. A graduate of Permian High School, he expects to receive his bachelor's degree from Texas Tech in May.

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33-4-6-77

TexasTechNews

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CONTACT: Nita Gilger

LUBBOCK--A team of Texas Tech University engineers, historians and planners began a year-long project last month to explore, inventory and document historic engineering sites in New Mexico.

The New Mexico area is rich in engineering history and heritage, said William L. Cumiford, project manager of the New Mexico Historic Engineering Site Inventory.

Irrigation projects, bridges, dams, and canal systems can be found throughout New Mexico, some dating from 16th and 17th century Spanish, Mexican, and Indian cultures, Cumiford said.

The History of Engineering Program at Texas Tech has contracted with the New Mexico State Planning Office to identify several hundred sites and to nominate significant sites to the planning office and the Cultural Properties Review Committee. Upon recommendation of the committee, highly qualified sites will be nominated to the National Register of Historic Places.

Historic engineering research involves mailing of questionnaires to identify sites, library and archival research, on-site field investigation and research and oral history interviews.

"Computer printouts of every site surveyed will be indexed county by county through use of the most up-to-date inventory methods available," Cumiford said.

-more-

historic engineering site / add one

Texas Tech is in the process of mailing questionnaires to approximately six hundred individuals, historical societies and other groups who may be able to assist in the identification of historic engineering sites in New Mexico. Persons who know of such sites are urged to contact Cumiford (P.O. Box 4089, History of Engineering Program, Texas Tech University, Lubbock, Texas 79409) or Thomas W. Merlan at the State Planning Office in Santa Fe (505 Don Gasper Ave. 505-827-5191).

The History of Engineering Program began in 1969 under the direction of Dr. Joseph E. Minor, when Tech's Department of Civil Engineering recognized the need to research origins of a number of historic engineering project sites. Basic aim of the program is collection of such historical data in the Southwest.

In 1975, the Texas Tech team documented and computerized data on more than 1400 historic sites of engineering achievement in Texas.

Texas program findings include the Waco Suspension Bridge, which predates the Brooklyn Bridge, the Pecos River Railroad Bridge built in 1893, the Houston Ship Channel, the Galveston Seawall and the Austin Dam.

Personnel of the History of Engineering Program include Minor, program director, Randall D. Henson, program manager, Debbie Nixon, student assistant, and Cumiford.

Cumiford, a Texas Tech research associate, is a candidate for the doctoral degree in history. He received the bachelor's degree in history from Chapman College and master's from California State University at Fullerton.

Texas Tech News

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CONTACT: Worth Wren

ATTN: News Directors

TEXAS TECH UNIVERSITY HAS RECEIVED A FIFTY-THOUSAND-DOLLAR CHECK FROM THE TEXAS TECH EX-STUDENTS ASSOCIATION. THE SUM IS THE LARGEST SINGLE CONTRIBUTION FROM THE ASSOCIATION TO THE UNIVERSITY.

ASSOCIATION PRESIDENT W. K. "BILL" BARNETT OF LEVELLAND SAID THE FUNDS WERE GIVEN IN RECOGNITION OF THE UNIVERSITY'S HIGHEST PRIORITY NEEDS, AS DETERMINED BY UNIVERSITY PRESIDENT CECIL MACKEY.

APPROXIMATELY TWENTY THOUSAND DOLLARS OF THE GIFT WILL BE ALLOTTED TO FACULTY DEVELOPMENT AND ACADEMICS AND TWENTY-SEVEN THOUSAND DOLLARS FOR ACADEMIC SCHOLARSHIPS, INCLUDING THE NATIONAL MERIT SCHOLARSHIPS, THE VALEDICTORIAN SCHOLARSHIPS AND ACADEMIC RECRUITING PROGRAMS. SMALLER AMOUNTS HAVE BEEN SET ASIDE FOR A LAW SCHOOL PROJECT, FOR THE LIBRARY AND FOR STAFF AWARDS.

THE GIFT IS EXPECTED TO BE ONLY THE FIRST OF A SERIES OF CONTRIBUTIONS FROM EX-STUDENTS TO TEXAS TECH. MACKEY SAID, "I AM CONFIDENT THAT WE ARE WELL ON OUR WAY TOWARD A RELATIONSHIP BETWEEN THE UNIVERSITY AND ALUMNI THAT WILL HELP TECH ACHIEVE ACADEMIC EXCELLENCE."

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

CONTACT: B. Zeeck

ATTENTION: Agriculture editors

FOR RELEASE AFTER 8:30 A.M., THURSDAY, APRIL 7

LUBBOCK--The world must learn to produce as much more food in the next 25 years as it has since the dawn of time to meet population demands, the Texas Tech University dean of agricultural sciences said Thursday.

Dr. Anson R. Bertrand made the statement before the Southwest Region of the American Society of Agricultural Engineers, meeting in Lubbock.

Bertrand's solution is to find ways to increase yields through immediate research emphasis, technology adaptation and extension service for farmers worldwide.

Malnutrition already is widespread, Bertrand said. It is estimated that 460 million, or one of every six people, are seriously malnourished, and the immediate cause is poverty.

Distribution systems and cost of imports are factors in malnutrition. Although food production has increased, demand outstrips these increases.

-more-

An easy solution might appear to be "just plow up some more land, put some more into cultivation," the dean said. However, the good land already is in production and new agricultural land development is costly. Much of it would have to be cleared, irrigated, drained, made fertile. And much of it is inaccessible.

Energy, too, presents problems.

"Changes in the availability and energy pricing structure can drastically influence production potential, even in a labor-intensive country," he said.

The only solution to producing more food, Bertrand said, is in yield-increasing technology.

"But it's going to be a slow, costly input, and it's going to be a long time coming. It is not going to meet some needs for the next 15 or 20 years,"

The challenge, he said, faces every country that has a population that needs to be fed an adequate, nutritious diet.

"It challenges countries to think of their priorities and their planning and funding for the future. It's a challenge to the public to support programs and policies that will have to be developed and financed to meet food needs 25 years from now."

Three principal ingredients for yield-increasing technology, he said, are strong, sound, aggressive agricultural research; a strong technology transfer system to permit adaptive research to fit new findings to individual geographic, environmental and social conditions in countries that have the greatest needs; and a strong education and demonstration program worldwide, an extension capability taking knowledge to farmers throughout the world.

Bertrand attributed U.S. agricultural know-how to a good land and climate but also to a "highly effective federal state and industry agricultural research program."

But he complained of complacency and static funding.

"During the past 10 years agricultural research on a national basis within this country has essentially stood still because of lack of funding," he said. "It is time to re-evaluate priorities."

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36-4-6-77

Texas Tech News

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CONTACT: Dan Tarpley

LUBBOCK--Texas Tech University's College of Engineering will bestow the "Distinguished Engineer" designation on four alumni at a recognition luncheon, 12 noon, April 15, University Center Ballroom.

Recipients will include John S. Ball of Bartlesville, Okla., director of the U. S. Energy Research and Development Administration, Bartlesville Energy Research Center; Donald R. Clark of Houston, vice president, International Marketing, Continental Oil Co.; A. L. Kincheloe of Houston, vice president and general manager, Operations, Mosher Steel Co.; and Orval L. Lewis of Houston, director of projects, Davy Powergas Inc.

The Certificate of Citation program, recognizing corporations and individuals who have made outstanding contributions to the College of Engineering, will be continued this year, Engineering Dean John R. Bradford said. Certificates will be presented to Phillips Petroleum Co. and Pioneer Corp. The Phillips Petroleum certificate will be accepted by H. D. Trotter, vice president, Phillips Engineering and Services, and A. M. L. Kube, regional manager of the Phillips operations headquartered in Borger.

-more-

distinguished engineers / add one

C. I. Wall, chairman of the board, and K. B. Watson, president and chief executive officer, will accept for Pioneer processing.

Ball, a member of Tech's first class of chemical engineers (1934), received the master of science degree in 1936. He spent 25 years with the U. S. Bureau of Mines headquarters at Laramie, Wyo., and in 1963 was transferred by the bureau to Bartlesville. He was director of research there 12 years. For the past two years he has been director of the Bartlesville Energy Research Center. He lives at 5934 Cornell Drive, Bartlesville.

Clark, a 1959 graduate in industrial engineering, has spent his entire professional career with Continental Oil Co., where he has progressed from engineering trainee to his present vice presidency for international marketing. Clark has had major responsibilities in projects dealing with state and federal regulatory bodies and frequently has testified before the Federal Energy Administration and Congressional groups. He lives at 67 Legend Lane, Houston.

Kincheloe, a 1950 graduate in civil engineering, has spent all of his professional career in the steel industry. He began with Campbell Steel Co., which was acquired by Mosher Steel in 1960 and he has been a key executive since that time. He has served the company in operations in San Antonio and Houston. He lives at 1023 Drava, Houston.

Lewis, a 1939 mechanical engineering graduate, has spent 38 years of professional activity as an engineer, including engineering design and construction of facilities for defense,

distinguished engineers / add two

aerospace, nuclear development, energy and environmental conservation, heavy manufacturing, and hydrocarbon processing.

He has been director of projects for Davy Powergas Inc. since 1974. Responsible for major engineering projects, he has coordinated efforts through his company's offices in England, France, Germany, Australia, Iran and the United States. Lewis lives at 569 N. Post Oak Lane, Houston.

Texas Tech President Cecil Mackey will deliver introductory remarks and Bradford will introduce guests. Robert Nash, Lubbock radio executive, will narrate the program.

The public is invited. Tickets are \$4. Reservations should be made before April 13 with the office of the dean of engineering, 742-3451.

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37-4-6-77

Texas Tech News

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CONTACT: Kay Hord

LUBBOCK--Patrice Barnett, Texas Tech University graduate student of Lubbock, will present a violin recital at 8:15 p.m., Monday (April 11), in the University Center Recital Hall.

Barnett received the Bachelor of Music Education degree from Texas Tech in 1975. She attended Texas Tech on an Eva Browning violin scholarship.

She is the piano accompanist for the Lubbock Civic Chorale, organist for First Presbyterian Church and plays the violin in the Lubbock Symphony Orchestra. She has also been a member of the Texas Tech Symphony Orchestra and Midland-Odessa Symphony.

Barnett will be accompanied by Lora Deahl, Texas Tech faculty accompanist. The recital program will consist of music by Mendelssohn, Bach and Beethoven.

Admission is free.

-30-

39-4-7-77

Texas Tech News

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CONTACT: Kay Hord

LUBBOCK--Anthony N. Brittin, Texas Tech University associate professor of music and horn teacher, will present a faculty recital at 8:15 p.m., Tuesday (April 12), in the University Center Recital Hall.

At Texas Tech, Brittin is a member of the Faculty Woodwind Quintet and the Faculty Brass Quintet. He assists with the Texas Tech Marching Band and is director of one of the Varsity Bands. He is chairperson of the Music Scholarship Committee.

Holding degrees from Florida State University and from Manhattan School of Music, Brittin has played professionally in the New York area, including engagements with the New York Philharmonic. He is solo horn for the Roswell, Midland-Odessa and Lubbock Symphony Orchestras.

The recital will be accompanied by Texas Tech faculty accompanist Lora Deahl.

Admission is free.

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39-4-7-77

Texas Tech News

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CONTACT: Nita Gilger

LUBBOCK--Twenty Texas Tech University students have received \$600 scholarships for high scholastic records and proven abilities in the scientific field from the Achievement Rewards for College Scientists Foundation (ARCS).

The students, their classifications and majors are: Karen K. Marcum, senior, math; William L. Omerson, senior, electrical engineering; Mary C. Monzingo, senior, microbiology; John L. Proffitt, senior, zoology, pre-med; Joel M. Rister, senior, zoology, pre-med, all of Lubbock.

Others include: Royce D. Smathers, senior, animal science, and Thomas E. Rogers, senior, microbiology, El Paso; Asima Syed, senior, math, pre-med, Big Spring; Mary K. Curran, senior, zoology, Dallas; James D. Gary, senior, math, Denison; Timothy J. Mayberry, senior, math, Tucumcari, N.M.; Stephen J. Talley, senior, zoology, pre-med, Breckenridge; Molly J. Cagle, senior, textile technology, Houston; Michael F. Milam, senior, chemical engineering, Tulia; Cynthia A. Brooks, senior, home economics education, Wichita Falls; Lynda L. Elliot Fogerson, senior, home economics education, Silverton; and Louise Sauer, senior, food and nutrition, Van Horn.

-more-

ARCS / add 1

Purpose of the ARCS is to provide funds for scholarships in accredited schools with science programs. The foundation provides a way business, education, civic and social community members can contribute to the future and advancement of scientific education.

ARCS Foundation, Inc., alumni number approximately 1,000 and have contributed more than \$1 million to the scholarship program.

Since its beginning in California in 1958, the ARCS Foundation Inc. has grown from a single chapter into a national organization. Funds are given in almost all disciplines in the scientific field from aerodynamics to medicine to zoology.

The Lubbock chapter of ARCS will present the scholarships to recipients April 21, 11:45 a.m., at the Lubbock Women's Club. Dr. Robert H. Ewalt, Texas Tech vice president for Student Affairs, will present the awards. Lubbock ARCS president is Mrs. W. Robert McKinsey and the scholarship chairperson is Mrs. George Miller.

Texas Tech News

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CONTACT: Nita Gilger

LUBBOCK--A one-day seminar for attorneys and legal secretaries on "Improving Communication and the Use of Time" will be held at Texas Tech University, April 23.

Purposes of the seminar are to create sensitivity in communication as a factor in interpersonal relationships and to provide techniques that will help develop ways to use time more effectively in the law office.

The non-credit seminar will be taught by Edward F. Blehl, Pennsylvania State University psychology professor.

The seminar will meet Saturday, April 23, 9:30 a.m.-noon and 1:30-4 p.m. in the Lubbock Room of the Texas Tech University Center.

Tuition is \$15 per person and refundable if requested before April 15.

Sponsors are the Texas Tech University School of Law, the Division of Continuing Education, the Lubbock Legal Secretaries Association and the Junior Bar of Lubbock.

More information can be obtained by calling Lucy Souter of the Division of Continuing Education at (806) 742-3797.

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CONTACT: Worth Wren

ATTN: Public Service Directors

(*This is a What's What slide spot. Thank you very much again.)

10 seconds

VIDEO

AUDIO

SLIDE #1....

WHAT'S WHAT AT TEXAS TECH? WANT TO IMPROVE YOUR
COMMUNICATION AND USE OF TIME? A WORKSHOP IS
DESIGNED FOR YOU, APRIL TWENTY-THIRD, NINE A.M.,
UNIVERSITY CENTER LUBBOCK ROOM. TUITION, FIFTEEN
DOLLARS.

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42-4-6-77

Texas Tech News

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CONTACT: Gail Molsbee

LUBBOCK--A regional school board workshop will be conducted, Wednesday (April 13), in the Senate Room of the Texas Tech University Center.

The workshop is designed to familiarize newly elected board members with duties and responsibilities of trustees. Veteran board members are encouraged to attend to hear presentations and discussions on new topics concerning education.

Approximately 150 school board members will hear presentations on student rights and responsibilities and student conduct and discipline.

A handbook on major topics for discussion will be distributed to those attending.

Texas Tech's College of Education and the Texas Association of School Boards are sponsoring the workshop. Dr. Paul E. Zintgraff, chairperson of Educational Administration, and his staff in Administration and Supervision are workshop coordinators.

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

CONTACT: Nita Gilger

LUBBOCK--The Texas Tech University Home Economics Alumni Association will hold a spring luncheon and business meeting at noon, April 23, in the Lubbock Women's Club, 2020 Broadway.

Kennett Hobbs, Lubbock attorney and Texas Tech home economics instructor, will be guest speaker. Scholarships will be awarded to outstanding home economics majors.

Home economics students, faculty members and persons interested in this subject are invited to attend.

Reservations must be received by Mary Francis Campbell, 2329 57th St., Lubbock, 79412, by 8 p.m., Thursday (April 21). Tickets are \$4.

Annual dues of \$3 will be accepted at the luncheon. Others may mail their dues to Campbell.

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45-4-6-77

Texas Tech News

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CONTACT: Jean Terrell

LUBBOCK--Twelve Texas Tech University agricultural sciences students from Africa will return to their countries with first-hand knowledge of technology in action in West Texas. A new program initiated by the College of Agricultural Sciences is providing this knowledge.

The pilot project endeavors to help foreign students get away from the campus to integrate knowledge gained from books and classroom instruction with concepts of how that knowledge is used in the field. Dr. Arthur W. Young, professor emeritus of the Department of Plant and Soil Science, recently served as guide for a four-day tour by the students during which they viewed operations ranging from a one-man farm to a large ranching headquarters.

Since the students represent several majors and a variety of special interests, the program has included demonstrations of livestock nutrition and feeding, feedlot management, new developments in farm machinery, plant breeding, seed handling, various irrigation systems and dryland farming.

The Archie Leonard Farm of Lubbock, Frank Gray Farm of Lubbock, Lubbock Stockyards, Taylor Evans Seed in Tulia, Spur Headquarters Ranch in Spur, the Texas Agricultural Experiment

-more-

African students/add 1

Station in Lubbock and the Texas Tech Research Center at Pantex have demonstrated their operations to the African students.

The students are from Lesotho, Swaziland, Kenya and Niger. Their studies at Texas Tech are supported by the Agency for International Development (AID).

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46-4-6-77

TexasTech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

CONTACT: B. Zeeck

LUBBOCK--An exhibition of contemporary wall hangings by Romeo, a world known Lubbock artist, will go on exhibit at The Museum of Texas Tech University April 17.

Romeo Reyna's tapestries hang in galleries and commercial establishments throughout the United States, in Europe, the Far East and South America.

A native Texan, Romeo has moved his studio from Palm Springs, Calif., to Lubbock, where he hopes to teach as well as continue his own work.

He is noted for paintings, ceramics and tapestries which he designs and weaves from all natural fibers.

The designs are primarily in bright colors of wool, mohair, silk, jute, hemp, cotton, linen, even human hair, and the wall hangings are in demand by interior decorators and museum exhibitors.

His tapestries are abstracts and his design ideas come from life -- the landscape or the people he meets. Some use the subtle earth tones, many are bright, sunlit colors. Textures vary both with materials and with weaving techniques.

His hangings will go on display later this year in McAllen and the Houston Museum of Modern Art as a part of an exhibition of the United States' 10 best Mexican-American artists. Successful

-more-

Romeo/Add 1

exhibits recently closed in Palm Springs and Laguna Beach, Calif. He has exhibited also in Munich, Germany, Chicago, Los Angeles and Dallas.

Romeo has studied art at the Chicago Art Institute and, in Los Angeles, at the Otis Art Institute and the Los Angeles Art Center.

In his early years, Romeo was a migrant worker and has "been on my own" since the age of 12.

He was working in an advertising agency in Chicago when an artist there took an interest in his watercolor work. The technique had been learned from his aunt and grandmother.

Through the interest of the artist, he was given a scholarship to study at the Art Institute in Chicago and begin his career.

cutline-----

WALL HANGINGS--Lubbock artist who goes by the single name, Romeo, describes the fibers in one of his wall hangings which will go on exhibit April 17 at The Museum of Texas Tech University. He uses only natural fibers, many of which he cards, spins and dyes himself. (Tech Photo)

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47-4-6-77

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

CONTACT: Dan Tarpley

LUBBOCK--The joint American Chemical Society-Sigma Xi awards banquet program, April 22, will feature a planetarium show, "The Loneliness Factor."

The banquet will be catered at 6:45 p.m. in the main lobby of The Museum of Texas Tech University.

Following the dinner, awards to outstanding students will be presented by the South Plains Chapter of the American Chemical Society and by the Department of Chemistry at Texas Tech. The university chapter of the society of Sigma Xi will initiate new members.

The planetarium sky drama will be presented at 8:40 and 9:30 p.m. to accommodate the large attendance. The group not attending a planetarium presentation will be given guided tours of research projects at The Museum.

Reservations should be made with Dr. Richard A. Bartsch by April 18. Tickets are \$4.50 each. Persons planning to attend are encouraged to indicate whether they want to go to the first or second planetarium show.

After April 18, tickets may be obtained from Judy Leuty, Room 222, Chemistry Building at Texas Tech.

Texas Tech News

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CONTACT: Jean Terrell

LUBBOCK--This is the year of King Tut, as "The Treasures of Tutankhamun," the most important exhibition of ancient Egyptian Art ever to come to the United States, has captured the imagination of Americans as few museum exhibits have done before.

The West Texas Museum Association plans an excursion to New Orleans in October to view the priceless collection.

As preparation for those who plan to make the trip and for the information of others interested in the history of King Tutankhamun and his tomb, the Association is offering a series of slide-sound presentations on "The Heritage of Ancient Egypt."

Programs will be in the Assembly Room of The Museum of Texas Tech University on May 3, 12, and 26, at 7:30 p.m. Tickets for the series are \$6.

The presentations cover the reigns of Amunhotep II, Amunhotep III, Akhnaton, Smenkhkara, Tutankhamun and Horemheb, all of the 18th Dynasty, in addition to the tomb and treasures of Tutankhamun. The 18th Dynasty ruled in Egypt over ⁽³⁾3,000 years ago.

law exhibit/add 1

From the office of Judge John Vickers will be a swivel chair and wastebasket. Although it was necessary for the chair to undergo extensive restoration, historians describe it as a particularly fine example of turn-of-the-century furniture.

The West Texas Museum Association said the one-room exhibit is the precursor of a larger exhibit planned to demonstrate urbanization on the southern High Plains. The space now given to the lawyer's office will be changed later this year to an exhibit depicting a mercantile store and then a doctor's office. As the collections increase, the larger exhibition will be constructed.

Visitors, comments and assistance are invited.

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50-4-6-77

Texas Tech News

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CONTACT: B. Zeeck

LUBBOCK--The practice of law at the turn of the century has changed, and so have the offices of attorneys at law on the South Plains.

To portray the West that really was, the Museum of Texas Tech University will present an exhibit, starting April 15, of a lawyer's office as it might have appeared on the town square of a South Plains city in the 1900-1910 era.

The West Texas Museum Association members and guests will preview the exhibit at 7:30 p.m., Thursday, April 14.

It has been assembled primarily by the Legal Auxiliary of Lubbock which has provided both collections and funds for restoration and acquisition of artifacts.

Many of the objects were used by early lawyers of Lubbock.

A clock, made in the Eastlake manner about 1880, and a chair with a star on the back were donated by Mrs. Meade J. Griffin, whose husband was a judge on the Texas Supreme Court. Both articles once were in use by that court.

Much of the office equipment and the law library were donated by Mrs. Jack Helms, and these articles came from the estate of her uncle, Judge James Howard Goodman, who practiced law in Lubbock for many years.

-more-

law exhibit/add 1

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Visitors, comments and assistance are invited.

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50-4-6-77

CONTACT: B. Zeeck

(Editors: A student from your town is participating. Please see add 1.)

LUBBOCK--Twenty-one graduate students at Texas Tech University have been invited to participate in the first Sigma Xi mini-conference and competition for scientific presentations.

The conference will take place from 12:30 to 6:30 p.m. in the Texas Tech Chemistry Building, room 101, April 15.

Topics will range from reconstruction of a northern Texas Panhandle archeological assemblage to studies in greenhouse-grown cotton bract, relative to the cotton dust problem.

There will be two \$50 prizes and certificates awarded for the best presentations, and all papers will be published in proceedings and placed in academic libraries. Professors who have worked with students in preparation of the presentations will be awarded certificates if their students win the competition. Awards will be presented at the annual Sigma Xi banquet April 22.

Presentations will be scored on scientific merit, composition, grammar and style, oral presentation, timing, visual material used and response to questions.

Conference Committee Chairperson Rae L. Harris, a member of the geosciences faculty, said Sigma Xi has committed itself to the encouragement of original investigations in pure and applied sciences at Texas Tech and demonstrates its commitment through the mini-conference.

-more-

sigma xi / add one

The Society of Sigma Xi is an honorary organization of persons with special interest in scientific and engineering research.

Those invited to participate include: Philip A. Bandy, Lubbock, majoring in anthropology; Lisa P. Bennett, Lubbock, biological sciences; R. Christopher Chambers, Overland Park, Kan., zoology; David L. Cox, Lubbock, microbiology; Muhammad Nasir Gazdar, Karachi, Pakistan, geosciences; Charryl L. Greenwood, Lubbock, biological sciences; Harry L. Held, Wichita Falls, geology; Linda L. Jagodzinski, Apollo, Pa., chemistry; Phillip L. Keller, Dallas, biological sciences; Robert J. Marks II, Lubbock, electrical engineering; James B. Montgomery Jr., Lubbock, zoology; W. Hal Powe, Greenville, S.C., geology; Paul L. Raymer, Lubbock, biological sciences; Harold A. Simmons, Lubbock, botany; Mark J. Tereletsy, Big Spring, biological sciences; Avinash G. Tilak, Bombay, India, industrial engineering; Gary L. Walker, Lubbock, physics; Walter W. Walthall, Anton, Tex., biological sciences; and Shi-Ming Wu, Lubbock, organic chemistry.

Texas Tech News

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CONTACT: Worth Wren

ATTN: Education News and News Editors

LUBBOCK--Twenty-seven-year-old Holden Hall, newly renovated and enlarged, doesn't look that old any longer.

Texas Tech University visitors will view the new \$4.5 million Social Sciences Addition to the historic older section of Holden Hall on Thursday, April 14, as the new section is dedicated at 10:30 a.m.

The public is invited to ceremonies in the new courtyard.

Often referred to as the old museum, the first usable part of what has become Holden Hall was the basement, completed in 1936. The remainder of the older section of the building was completed in 1950, and it served as the museum until 1971, when the new museum facility was completed on 4th Street.

The 90,000 square feet of new floor space made it possible last fall for Texas Tech to house the six social sciences in the new addition. Six students representing these departments--history, sociology, political science, geography, economics and anthropology--will join in dedicating the new addition.

The older portion of Holden Hall has also received a face-lift.

Dr. Glenn E. Barnett, executive vice president of the university, will deliver the dedicatory speech.

Dr. Charles S. Hardwick, vice president for Academic Affairs, and Dr. William B. Conroy, associate dean of the College of Arts

-more-

social sciences / add one

and Sciences and geography chairperson, will conduct the program.

Conroy, master of ceremonies for the dedication, will review the building's history and outline purposes of the new facilities, which include 60 teaching areas such as classrooms, laboratories and seminar and conference rooms. Two new lecture halls will seat a total of more than 500 persons.

Arts and Sciences Dean Lawrence L. Graves will introduce special guests, Dr. and Mrs. William Curry Holden. The building was named in honor of Dr. Holden, professor emeritus of history, active anthropologist and supporter of The Museum and the Ranching Heritage Center.

Students taking part in the dedication are Karen Conrad, Midland senior anthropology major; David Beseda, Austin senior economics major; Karen Vandiver, Artesia, N.M., senior geography major; Carolyn Langley, Hereford senior history major; Kathleen Busch, Lubbock senior political science major; and Kary Reid, Lubbock junior sociology major.

Construction of the new addition, begun in the summer of 1974, was completed last fall. All six departments are now housed in the new addition.

Texas Tech News

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CONTACT: B. Zeeck

LUBBOCK--The Department of Mass Communications at Texas Tech University will begin offering courses for advanced training in the practice and theory of public relations at Reese Air Force Base next fall.

The graduate classes will be open to the public as well as Air Force personnel.

The courses will be taught from 6:30 to 9:30 p.m., Tuesdays and Thursdays. Those enrolling can apply work toward a master's degree in mass communications. Registrants who have undergraduate degrees in fields other than mass communications will be offered six hours of levelling work.

Two courses will be offered each long semester and two for each of the summer terms.

In addition to public relations theories, cases and practices, the student seeking the master's degree will take courses in journalism, advertising, mass communications theory, research methods, telecommunications and public opinion and propaganda.

The first courses to be offered will deal with advanced journalism problems and with public opinion and propaganda.

-more-

reese courses / add one

"The courses offered at Reese will be the same as those taught on campus," according to Dr. Billy I. Ross, chairperson of Mass Communications.

"We will be rotating the courses, so that those enrolling at Reese will have opportunity to take any offered in the public relations concentration, but so will persons who prefer to enroll for classes on campus."

The objective, he said, is to educate competent public relations practitioners and managers.

Although the courses will be taught at the Air Force base, students will be enrolled in the Texas Tech University Graduate School.

Individuals wanting more information were asked to call Bill Trafton, education officer, at Reese Air Force Base, extension 2469 or 2634, or Dr. Ross, area code 806: 742-3387.

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CONTACT: B Zeeck/Kay Hord

ATTENTION: Sports Editors

LUBBOCK--"Engineering is a Drag" is the title of a prize-winning presentation made by Texas Tech University senior Billy C. Sperry of Midland at the recent annual meeting of Region 10 of the American Society of Mechanical Engineers.

Sperry's presentation dealt with drag racing and two aspects of construction of automobiles best suited for this acceleration quarter-mile race. He was awarded \$100 for his presentation.

He spoke first on the advantages of a 4-link suspension system which uses the weight of the car for thrust through all phases of acceleration. In the second part of his slide lecture he showed how the length of the connecting rod affects performance, or how to increase torque and horsepower or acceleration advantage by adjusting the length of the connecting rod.

Sperry, who is a drag racer, demonstrated how to change the geometry of the suspension system to change the body motion of the chassis, to get the load from the chassis to the rear tires.

"The purpose of the suspension system in a road car is comfort," he explained. "In a drag racer the purpose is acceleration."

In Sperry's view all suspension systems are the same, a variation of the 4-link, or 4-bar, suspension system. In drag racing the purpose of the system is to pick up the vehicle from a standing position to a launch position.

-more-

sperry / add one

In most racers the weight of the car is used for thrust only during one phase of the launch.

"But it is much more efficient to use the car weight during the entire launching process," Sperry said. "My suspension system design does this."

With Danny Crocker, David Hamilton and Duane Hamilton of Midland, Sperry races a '65 Corvette. The rear section of the car is handmade.

Sperry said he has seen other suspension systems on drag racers which are similar to his design, but additional work must be done to strengthen the chassis of the race car to withstand the force of the system. For Sperry, design is based on judgment, past experience, theory and experimentation.

Sperry made his presentation at a recent Baton Rouge ASME meeting. The professor assisting him in developing the slide lecture was Dr. Duane P. Jordan of the Tech department of Mechanical Engineering.

Sperry is the son of Mrs. Maurine Johnson, 2507 Auburn Place, Midland. He said he expects to be graduated in May from Texas Tech with a major in mechanical engineering and attend graduate school at the University of Texas.

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social sciences / add o...

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CONTACT: B. Zeeck

LUBBOCK--Dr. Harold T. Luce, chairperson of the Department of Music at Texas Tech University, has been elected president of the Texas Association of Music Schools for the 1977-78 academic year.

Eighty-two institutions of higher learning hold membership in the association.

Luce came to Texas Tech in 1973 from Ohio State University, where he was director of the School of Music. He also has served on the music faculty of the University of North Carolina at Greensboro.

He holds degrees from Butler University and Florida State University.

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*Asst
Hord
10/2/82*

CONTACT: Kay Hord

LUBBOCK--Texas Tech University will close this (Friday) afternoon in observance of Good Friday.

Texas Senate Concurrent Resolution 75, closing all state agencies and offices on Good Friday afternoon, was adopted Wednesday.

Classes will be dismissed at 12:30 p.m. and offices will close at noon, Texas Tech Executive Vice President Glenn E. Barnett said. Classes and regular office hours will be resumed Monday morning, April 11.

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CONTACT: Worth Wren

ATTN: Public Service Directors

(*This is a What's What radio spot. Thanks much.)

10 seconds

WHAT'S WHAT AT TEXAS TECH? GOING INTO BUSINESS? WOMEN'S
CONTINUUM FEATURES A PANEL TO TELL YOU HOW IT'S DONE, SEVEN-THIRTY
P.M., APRIL TWENTY-SIXTH, UNIVERSITY CENTER LUBBOCK ROOM, FREE
TO THE PUBLIC.

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CONTACT: Kay Hord

LUBBOCK--The Texas Tech University Department of Music will present "Trilogy of Operatic Comedy," featuring three one-act comic operas, at 8:15 p.m., Friday and Saturday (April 22 and 23), and 3 p.m., Sunday (April 24).

All performances will be in the University Center Recital Hall.

Featured in the "Trilogy" will be the Music Theatre, under the direction of John A. Gillas.

The trilogy of operatic comedy will include Mozart's "The Impresario," Puccini's "Gianni Schicchi" and Bucci's "Sweet Betsy from Pike."

Gillas is producer-director of the shows, Peggy Willis choreographer of "Sweet Betsy from Pike," Ron Williams musical director of "Gianni Schicchi," Laurie L. Schwartz accompanist for "Impresario," Marilyn Arland accompanist for "Sweet Betsy from Pike," and Kyung Wook Shin chorus director of "Gianni Schicchi."

Tickets are \$2 for the general public and \$1 for Texas Tech students with proper identification. Tickets may be purchased in advance at the University Center Ticket Booth, by calling the ticket booth office at 742-3610.

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58-4-7-77

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CONTACT: Kay Hord

LUBBOCK--The Mallet Percussion Ensemble of the Texas Tech University Department of Music will present its annual transcription concert at 8:15 p.m., Thursday (April 14), in the University Center Recital Hall.

The transcription concert began three years ago as an educational project to teach percussion majors how to compose music for keyboard instruments. Students choose a piece early in the semester and write their own arrangement of the work. The concert allows students opportunity to compose, rehearse and conduct the piece in concert.

Students are supervised by their percussion teacher, Ronald J. Dyer.

The concert is open to the public and admission is free.

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59-4-7-77

Texas Tech News

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CONTACT: Dan Tarpley

LUBBOCK--Three Houston alumni of Texas Tech University will be accorded "Distinguished Engineer" recognition by the institution's College of Engineering, April 15.

Houston recipients are Donald R. Clark, 67 Legend Lane, vice president, International Marketing, Continental Oil Company; A. L. Kincheloe, 1023 Drava, vice president and general manager of operations, Mosher Steel Company; and Orval L. Lewis, 569 North Post Oak Lane, director of projects, Davy Powergas Incorporated.

The fourth alumnus of Texas Tech to be named a "distinguished engineer" at this year's recognition luncheon will be John S. Ball, 5934 Cornell Drive, Bartlesville, Okla.

Clark, a 1959 industrial engineering graduate, has spent his entire career with Continental Oil Company, progressing from engineering trainee to his present position to which he was named in 1976.

He served in engineering and management positions during his first seven years with Conoco and, for the next three, coordinated all of the company's transportation needs. He began his second decade with an assignment to the marketing department and served as manager and general manager of various marketing functions until named to his present position. -more-

distinguished engineers / add 1

Kincheloe, a 1950 civil engineering graduate, was with Campbell Steel Company until 1960, becoming vice president in 1958 and moving to San Antonio as the plant manager.

Mosher Steel Company acquired Campbell Steel in 1960 and Kincheloe has been a key executive with Mosher since that time. He continued as San Antonio plant manager until 1967 when he was named vice president and construction manager. He moved to the company's corporate headquarters in Houston in 1972.

Lewis, a 1959 mechanical engineering graduate, has been director of projects for Davy Powergas Incorporated since 1974. His engineering career has included design and construction of facilities for defense, aerospace, nuclear development, energy and environmental conservation, heavy manufacturing, and hydrocarbon processing. He received the Master of Business Administration degree from the University of Southern California in 1954.

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CONTACT: Jean Terrell

LUBBOCK--Speeches by four certified public accountants will highlight Accounting Emphasis Week, April 18-21, at Texas Tech University.

Sybil C. Mobley, dean of the School of Business and Industry at Florida A&M University, Tallahassie, will speak at a luncheon Monday (April 18) to lead off the week's events. Her topic will be "Socio-Economic Accounting Equals a Function of Socio-Economic Realities."

J. M. Hill of Cleburne, president of Rangaire Corporation, will speak on "Financial Reporting and Shareholder Communications by a Public Company" at 7:30 p.m., Tuesday (April 19), in the Flame Room of the First National Bank Building.

Robert H. Temkin, Stamford, Conn., partner with Arthur Young & Co., will speak at 3:30 p.m., Wednesday (April 20), in Room 202 of the Business Administration Building. His subject is "Tentative Conclusions of the Commission on Auditors' Responsibilities

The annual accounting recognition banquet beginning at 7 p.m., Thursday (April 21), at the Lubbock Country Club will conclude the week's activities. Robert S. Kay, New York City, partner and national director of accounting and auditing for Touche Ross & Co., will discuss "The Complete Accountant and Auditor--Circa 1982."

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CONTACT: Kay Hord

LUBBOCK--Dr. Virginia K. Kellogg will be featured in a Texas Tech Music Department faculty recital, at 8:15 p.m., Wednesday (April 13), in the University Center Recital Hall.

Kellogg teaches violin and music theory at Texas Tech. She has toured as soloist and a member of the St. Louis Trio for Civic Music and Community Concerts. She received a Fulbright award in 1965 and appeared as recitalist in Brussels, Amsterdam and other Netherlands cities.

She holds the bachelor of music and doctor of musical arts degrees from the Eastman School of Music as well as the master of music degree from the University of Illinois. Kellogg is concertmaster of the Lubbock Symphony Orchestra and member of the Faculty String Trio at Texas Tech.

Her recital will include works by Mozart, Debussy and Kodaly. She will be accompanied by Mary Pendleton, teaching assistant at Texas Tech.

The recital is open to the public and admission is free.

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62-4-7-77

Texas Tech News

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CONTACT: Kay Hord

LUBBOCK--Kurt Gilman, Texas Tech University graduate student, will present a piano recital at 8:15 p.m., Saturday (April 16), in the University Center Recital Hall.

The program will include lectures on the works being performed. The performance will feature the "Mystery Sonatas" by Heinrich Biber. Each of the sonatas calls for a different tuning of the violin, which will be explained and demonstrated.

Gilman received the B.M. degree in violin performance from Eastman School of Music, Rochester, N.Y. He is completing a master of music degree in music literature at Texas Tech and is a graduate teaching assistant.

The recital is open to the public and admission is free.

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63-4-7-77

Texas Tech News

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CONTACT: Nita Gilger

LUBBOCK--Accountants, financial analysts, lessors and leaseholders are invited to a seminar at Texas Tech University on "A Practitioner's Guide to Accounting for Leases," Tuesday (April 19), 1:30-5:30 p.m., Dean's Conference Room, Business Administration Building.

The session will be an in-depth review of the FASB #13, (Financial Accountants Standard Board) on the following topics: operating leases, capital leases, direct financing leases, sales type leases, leverage leases, real estate leases, sale/leaseback, subleases and related party leases.

Instructors will be Drs. Raymond J. Clay and William W. Holder, Texas Tech business administration professors. Both are CPA's and have worked in professional development programs.

The Center for Professional Development of the College of Business Administration is sponsoring the seminar.

Four hours credit toward Texas Society of CPA's Voluntary Program of continuing education will be earned by participants.

Cost is \$40 per person. Every fifth person from the same firm may attend without charge.

Registration forms and information can be obtained from Teresa Zoller, assistant director of the Center of Professional Development at (806) 742-3170.

Texas Tech News

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Company
CONTACT: Nita Gilger
Canadienne

Manager

LUBBOCK--A dance workshop hosted by the Texas Tech University Dance Division, May 31-June 18, will feature ballet, modern dance, tap and jazz. It will be taught by a professional staff to interested teachers and students.

Registration and auditions will be held May 31 in the Women's Gym. Two hours' credit can be earned by students.

Staff members include:

Diana Moore, dance division chairperson. She holds the bachelor's degree from Butler University and master's from Southern Methodist University. From 1959-63, Moore performed with Jordan Ballet in Indianapolis. She is a member of the Texas Tech Revolving Dance Company.

Karen Steele, Salt Lake City Repertory Dance Theater member. She was an instructor at the University of Wisconsin, Milwaukee, and student resident company assistant director. Steele holds the bachelors degree from the University of Utah. Her specialty is teaching-performing and choreography.

Kristina Gintautiene, candidate for a doctoral degree in dance history at Texas Tech. She has traveled through many European countries for her dissertation research. Gintautiene was a performing artist with the Washington Square Repertory Dance Company in New York City. She also is director and originator of the Texas Tech Revolving Dance Company.

dance workshop / add one

Maniya Barredo, principal soloist with the Atlanta Ballet Company. She also has been a soloist with Les Grande Ballet Canadienne, (Canada), and Robert Joffery Company, New York City.

Mannie Rowe, associate director of the Atlanta Ballet Company. He has soloed with Maurice Bejart's Ballet of the 20th century, in Brussels, Belgium.

Buster Cooper, director of tap and jazz for Dance Educators of America Training Schools at Kentucky Western University and New York City.

More information can be obtained by contacting Diana Moore at (806) 742-3361.

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65-4-7-77

Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136

LUBBOCK--John S. Ball, director of U.S. Engery Research and Development Administration in Bartlesville, Okla., has been named Distinguished Engineer by Texas Tech Univeristy, his alma mater.

Other alumni receiving the award include Houstonians Donald R. Clark, vice president, International Marketing, Continental Oil Co.; A. L. Kincheloe, vice president and general manager, Operations, Mosher Steel Co.; and Orval L. Lewis, director of projects, Davy Powergas Inc.

Ball received the bachelor's degree in chemical engineering in 1934 and the master's degree in organic chemistry in 1936 from Texas Tech. He continued graduate studies at the University of Colorado, Boulder.

The United States Bureau of Mines at Laramie, Wyo., was Ball's employer for around 25 years. During his work in Wyoming, he was named Outstanding Young Man in the Federal Government by the Jaycees and was presented the Distinguished Service Award by the Department of the Interior.

In 1963, he was transfered to the Bureau of Mines at Bartlesville.

Ball is a member of the Tau Beta Pi, and the American Chemical Society. He has chaired committees of the American Petroleum Institute the Geochemical Society and the American Association for Advancement of Science.

The Texas Tech alumnus is a fellow in the American Institute of Chemists and is listed in American Men of Science.

A recognition luncheon will be held for the Distinguished Engineers, 12 noon, April 15, in the Texas Tech University Center Ballroom.

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FOR IMMEDIATE RELEASE

CONTACT: Jane Brandenberger

Installation of new AstroTurf and of aluminum seats throughout Jones Stadium was approved today (Thursday, April 7) by the Texas Tech University Board of Regents.

Monsanto, Inc., of St. Louis will replace the original AstroTurf in time for the fall football season at a cost of \$365,225. Replacement of wooden benches with aluminum ones will be done by Howmet Aluminum Corp. for \$132,718.

In other action the Regents approved a schematic design for stadium ticket office expansion and receiving of bids for renovation of that section of the press box reserved for official university guests.

The university bookstore will be renovated, with Maytex Co. receiving approximately \$42,500 for construction of display units and J. E. Walker Co. \$38,500 for general construction.

The Regents also authorized sale of \$8 million in student fee revenue bonds for construction of Phase II of the New Deal farm project of the College of Agricultural Sciences and of a student recreational facility.

The Board heard a detailed report from Dr. J. Ted Hartman on behalf of the Tech Medical School faculty. Hartman, chairperson of

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orthopedic surgery and of the Executive Committee of the Medical Staff, stated concerns of the faculty in regard to operation of the Lubbock County Hospital District Health Sciences Center Teaching Hospital by a management firm. These included the fact that development of teaching programs require expenditures that may be incompatible with a management firm's goals; earned income from clinics, currently operated by the Medical School, contributes to teaching programs and indigent care, and that continuation of these funds appears vital; any further delay in opening the teaching hospital would retard growth of residency programs vital to teaching medical students; and that paramedical training requires on-the-job experience in x-ray, pathology and other areas, which require financial support and quality control.

Hartman emphasized the faculty's willingness to work with a management firm, if that should be the choice of the LCHD Board of Managers.

Chairman Judson F. Williams of El Paso assured Hartman and the faculty that the Regents appreciated their concerns, as does the LCHD board, and that these would be carefully considered. He urged continuing communication between the faculty and the Board of Managers and staff of the Hospital District.

The Regents also heard a report from Kenneth W. Thompson, Tech vice president of administration, in regard to tightening of security on campus. Major aspects included additional manpower and better lighting for security of students.

cutline-----

WINNER--Texas Tech University senior William A. Shaver, center, of Lubbock, is congratulated by Phi Kappa Phi officers on being awarded a \$3,000 fellowship for graduate study by the honor society. Left is Phi Kappa Phi Scholarship Chairman Rae L. Harris and, right, Dean Richard B. Amandes of the Law School, 1976-77 president of the organization. Dr. Harris is a member of the geosciences faculty at Texas Tech.

cutline-----

CONGRATULATIONS--Three Texas Tech faculty members were honored at a coffee Thursday (April 7) as new members of the honor society of Phi Kappa Phi, which recognizes academic excellence in all fields. Left to right are: Dr. James E. Osborn of the faculty in agricultural economics; Dr. Jeremy C. Wicker, law; Dr. James D. Mertes, park administration and landscape architecture; and Dean Donald S. Longworth of the College of Home Economics, which was host for the affair. (Tech Photo)

for release Friday with pictures for AJ,UD,SOUTHWEST LUBBOCK

LUBBOCK -- William A. Shaver of Lubbock, a May candidate for the bachelor's degree in zoology at Texas Tech University, has been awarded a \$3,000 fellowship for graduate study by the honor society of Phi Kappa Phi. ~~He is the first Texas Tech student to receive this award.~~

Shaver was one of 26 selected for the honor from a group of more than 103 of the nation's outstanding 1977 college graduates.

He is the son of Judge and Mrs. William R. Shaver, 2507 57th. He plans to study medicine at ^{THE UNIVERSITY OF TEXAS} Southwestern Medical School in Dallas.

Phi Kappa Phi is a national scholastic organization with chapters at 193 colleges and universities in the United States. It was founded in 1897 to recognize academic excellence in all disciplines.

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CONTACT: Nita Gilger

LUBBOCK--Dr. Emory G. Davis, Texas Tech University sociology professor, was elected to the executive committee of the Southwestern Sociological Association (SSA) during its recent meeting in Dallas.

Davis has served as chairperson of the SSA Minority Studies Committee for the past four years. He also was editor of the multi-ethnic newsletter for three years.

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CONTACT: B. Zeeck

LUBBOCK--Two staff members of The Museum of Texas Tech University have been elected to state offices.

Dr. M. Elizabeth King, curator of anthropology and coordinator of the museum science program, has been elected secretary-treasurer of the Council of Texas Archeologists, a society for professionals in the field. The only other elective office is held by D. Bruce Dickson, newsletter editor, of Texas A&M University.

Betty Rhea Moxley, coordinator for museum public programs, has been elected secretary-treasurer of the Texas Association of Museums.

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CONTACT: Nita Gilger

LUBBOCK--Colorful, intricately designed Easter eggs originated with the 988 AD Ukrainians' acceptance of Christianity and growth of their legends.

The egg has represented the embodiment of the life principle in mythical and religious ceremonies from the earliest pagan times. However, the Ukrainian Easter eggs, the most colorful and widely-known, came to represent man's rebirth with the dominant practice of Christianity.

The two most widely-known Ukrainian Easter eggs are the pysanka and the krashanka. The pysanka is a raw egg which has written designs and is dyed in several colors. The Krashanka is a hard boiled egg, dyed a solid color, which may be eaten.

Many ancient folk tales about Easter eggs are still commonly told in the Ukraine.

The Hutzuls in Western Ukraine tell the story of the Virgin Mary decorating eggs during the agony of Christ. She decorated some pysanky (plural of pysanka), to offer to Pontius Pilate when pleading for her son's life. As she prepared the eggs, her tears fell on them and formed dots of brilliant color. The Ukrainians still use dots of colors in the pysanky designs to honor the Virgin Mary and to celebrate the peace and love of Christ.

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Ukrainian Easter eggs / add one

Another story is based on the belief that the fate of the world depends on the pysanky. The Huntzuls say if the egg-decorating custom should cease, so would the world. They believe a vicious monster chained to a cliff has servants who keep count of the number of pysanky made each year. When there are too few eggs decorated, the monster will be freed to take over the world. When many eggs are being decorated, the belief is that the monster is held captive, allowing love to conquer evil.

These Ukrainian Easter egg customs have arrived on the Texas Tech University campus through the work of Roma Zyla, a junior journalism student. Zyla's parents escaped from the Ukraine during World War II, but the Zylas still practice many Ukrainian customs.

Making Easter eggs is one custom Roma has actively pursued. She said the decoration is time consuming and detailed. The eggs are designed through drawing, dyeing and waxing with the use of an instrument called a kistky^A. The kistky^A is used to apply bee's wax which is the purest and only wax used in decorating the eggs, Zyla said.

In the past, the eggs were prepared in secret, using methods handed down from mother to daughter. Chemical dyes were purchased from traders^S, but dyes from dried plants, roots, barks or berries were used most often. Zyla said the regular dyes she uses in decoration are not as brilliant as the original Ukrainian Easter eggs, but they are still quite colorful.

Ukrainian Easter eggs / add two

The designs on the eggs are symbolic of various religious meanings. The triangle means the Trinity, netting suggests Christ fishing for man and wheat means the bountiful harvest.

Other symbolic designs include the cross which means the death and resurrection of Christ, the eight point star represents Christ and the dots are for the Virgin Mary's tears. Animals show prosperity and waves and ribbon symbolize eternity.

A custom that is a part of Ukrainian Easter egg-making is the filling of a basket with a sweet bread called babka, decorated eggs and candles. The basket is then taken to a church service for a holy blessing. The next morning the hard boiled eggs are served by the father to members of the family with blessings offered. This is a custom still practiced by the Zyla family which represents breaking the fast after the abstinence of Lent.

Zyla said the customs are meaningful and important to her. "I enjoy sharing our customs with Americans."

Dist. A-J FUD ✓

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CONTACT: Kay Hord

LUBBOCK--Randy White, Texas Tech University graduate art student, will open his master's thesis show in the Hall Gallery of the art department from 2 p.m. to 5 p.m. Sunday, April 10.

The show will consist of drawings, paintings and sculpture and will be on exhibit through April 15.