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TEXAS TECH UNIVERSITY/TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER NEWS AND PUBLICATIONS/P.O. BOX 4640/LUBBOCK, TEXAS 79409/(806) 742-2136

CONTACT: Debbi Whitney

1-9-29-86

LUBBOCK--American epidemiologists are bracing for an onslaught of acquired immune deficiency syndrome cases and an accompanying cancer that affects AIDS patients.

Dr. Davor Vugrin, professor and chief of oncology/hematology at Texas Tech University Health Sciences Center, said AIDS victims appear prone to developing Kaposi's sarcoma, a malignant tumor growth.

"Most fatal AIDS cases can be attributed to infection or to Kaposi's sarcoma," he said.

Kaposi's sarcoma previously was a rare disease usually seen as localized lesions on the legs of elderly people. It followed a slowly progressive course. But, the disease in AIDS patients is epidemic and usually spreads from onset, following a rapidly progressive course.

Injections of interferon seem effective in treatment of the sarcoma. Vugrin said the substance causes shrinkage of sarcoma tumors, and interferon probably will be used at present to treat the disease.

However, interferon does not appear useful in control of the HTLV-III virus that causes AIDS, and it does not correct deficiencies in the immune system.

The AIDS virus may have first been detected in the 1970s in Africa. It showed up in the United States in the 1980s, Vugrin said.

"If we learn from experience in Africa," he noted, "we may see an epidemic in heterosexual people in the United States. In Africa, the disease was far more common in the heterosexual population than it is here, and we can expect to see an increase in the United States or Europe.

### AIDS/PAGE 2

"At the present time, we can expect that it will become a real problem, especially in those with frequent and multiple sexual contacts."

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Bee Zeeck, Director, (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

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CONTACT: Debbi Whitney

2-9-29-86

LUBBOCK--Communities need to look at a systematic approach to health care to ensure the survival of rural areas, an educator says.

That approach, according to Dr. Sheryl H. Boyd of Texas Tech University Health Sciences Center, should include input from leaders in the areas of transportation, education, agriculture, employment, housing and civic affairs.

Boyd, assistant chairman of the Department of Internal Medicine, said the health care system is one of the mainstays of rural communities both as a service provider and as a major employer.

"In looking at health care, we need to make a community assessment," Boyd said. "We need to look at the demographics -- aging populations are rising as is the amount of chronic illness."

Rural leaders must decide whether specialized care in addition to routine daily care is feasible in their areas. If it is not, then ways to transport patients to receive that type of care must be determined.

"We're not talking about five miles down the road," Boyd said.

"People may be faced with traveling 50 miles to get to a hospital for the care they need."

As length of patients' stays in hospitals become shorter with new government regulations on cost reimbursement, Boyd said rural hospitals are facing tough times in meeting fixed expenses.

#### COMMUNITIES/PAGE 2

"With hospitals as major employers, communities will have to decide how they would handle layoffs," she said.

Many rural residents are also self-employed, she noted, and are not covered under company insurance plans.

"As jobs get tighter, these people are forced to give up health insurance, and there are more people with no kind of coverage."

Boyd suggested an approach of returning back to churches, self-help agencies, families and friends to pick up the burden.

"We have to promote self-sufficiency when we can't fall back on the state or federal government," she said. "Survival depends on finding what you can do efficiently in your own community and where you need referral services.

"The nation is spending more than \$1 billion on health care every day, and the amount keeps increasing. More services are needed and more are becoming available, but we have to look at who can pay."

Boyd recently made a presentation on rural health care in Des Moines, Iowa, to a conference sponsored by Pioneer Hi-Bred International Inc. Pioneer is sponsoring seminars with experts from across the nation to inform its employees on ways to make positive changes in farm communities.

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CONTACT: Sally Logue Post

3-9-29-86

LUBBOCK--While the problems and goals of maternal health care have been shared by Western countries, the strategies employed to address those programs have varied markedly -- as have the success rates.

Texas Tech University political scientist Sue Tolleson Rinehart said nowhere is this more evident than in a comparison of British and American policies. Britain, with less wealth and a persistently lower standard of living, has achieved the goal of comprehensive and universally available care. The U.S. has fallen short in that regard.

"Substantial experience has demonstrated that health policy success, like that in other policy areas, is related to access to services, and access is determined by policy-making. Explanations for the development of maternal health care policy must be sought in the politics of policy-making," she said.

Tolleson Rinehart said actual British policy has better matched their goals because government-sponsored maternal health care was introduced early in the century as acceptable and appropriate.

American policy has never received such support and has existed in an arena complicated by conflicting ideologies, images and federalism.

Tolleson Rinehart said while many different groups have made universally available maternal health care a goal, much debate has ensued over whether it is a public or private sector responsibility.

"In contrast, the notion of public responsibility for public health was first introduced in Britain in World War I and was part of the political culture by the end of World War II," she said.

### MATERNAL HEALTH POLICY/PAGE 2

The very subject of health care for pregnant women raises many different images to people based on how they view those people receiving care.

Tolleson Rinehart said while motherhood is generally revered, pregnancy is seen in a more ambiguous way -- as proof of sexual activity or justification for treating women and men differently. Pregnancy and birth among the poor have also been perceived according to ideological beliefs about the value of social welfare programs.

"In the U.S., the stigma affecting public assistance of all sorts has had a particularly harsh consequence for maternal health care policy," Tolleson Rinehart said. "Its treatment, sometimes as a women's issue and thus marginal to the political arena, sometimes as welfare in it most disparaging sense, and sometimes both, has deeply influenced the capacity to make consistent policy choices."

Tolleson Rinehart said maternal health care issues have not only been caught in the ideological debates over state versus federal responsibility, but also have been lost in the U.S. policy making structure.

"The sheer gargantuan structure of the U.S. government and its agencies have deterred coherent policy making as surely as it has deterred streamlining of delivery of services," she said.

Tolleson Rinehart said the two systems have also reacted differently to severe economic problems in the 1980s. Britain coped with fiscal limits by reallocating resources while maintaining its provisions of maternity services.

#### MATERNAL HEALTH POLICY/PAGE 3

"The U.s. reacted by cutting funds and eliminating programs at the federal level," she said. "States faced with their own fiscal crises and budget deficits could not fill the void. Many of them cannot maintain previous levels of services and in many cases those services were judged inadequate in the first place."

Tolleson Rinehart said despite problems, the U.S. may be moving toward a more coherent policy.

"The tenor of current debate is increasingly one of cost-benefit ratio as evidence mounts of the substantial economic and human return on public dollars invested in primary, preventive maternal health care and education," Tolleson Rinehart said. "The U.S. policy-making apparatus typically has been more receptive to demand couched in these terms. If it does respond to such arguments, the most coherent policy yet could be produced. If not, American policies of motherhood will continue to be vulnerable to failure."

AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

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CONTACT: Deborah Palmer/Preston Lewis

4-9-29-86

LUBBOCK--The fall sessions of Super Saturdays and Young Actors
Workshop for gifted and talented students will begin Saturday (Oct. 4)
at Texas Tech University.

Designed for kindergarten through 12th grade students, the programs provide academic and creative experiences beyond the normal school curriculum. Faculty for the classes include members of the Texas Tech University faculty as well as public school teachers with special expertise in teaching the gifted and talented.

Super Saturdays topics for elementary students include astronomy, ceramics, creative writing, microbiology, photography, puppet magic, sensations and science mysteries. Secondary students can select from classes in architecture, "Dracula: A History of the Vampire Motif," interior design, law, plant science, popular culture of the '60s and world cultures.

Super Saturdays classes meet for two hours each Saturday Oct. 4 through Nov. 8. Cost per class is \$45.

Young Actors Workshop participants will meet Saturday mornings Oct. 4 through Nov. 22. Creative Dramatics helps second through fifth graders stretch their imaginations and develop their creative skills. Students in grades six through 12 can learn the basics of theater and acting, communication skills, voice, movement, projection, concentration, script analysis and group ensemble by participating in the Young Actors Production class.

#### TEXAS TECH UNIVERSITY SUPER SATURDAYS/PAGE 2

The fee for the 16-hour Creative Dramatics class is \$70 and for the 24-hour Production class is \$90.

To enroll in any of the classes, students must be nominated by a parent, teacher, counselor, psychologist or school administrator. Students meeting any one of the following criteria may be nominated:

I.Q. of 120 or above; overall average of B+ or higher in school; standardized achievement test score of 90 percentile or higher in one area; leadership ability; imaginative or creative thinking ability; or talent in visual or performing arts.

For more information about the Super Saturdays and Young Actors programs, contact Dr. Mary Tallent at the Institute for the Gifted, Texas Tech University, Box 4110, Lubbock, Texas 79409, (806)742-2353.

#### AFTER HOURS CALL:

Bee Zeeck, Director. (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

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CONTACT: B. Zeeck

5-9-29-86

EDITORS/NEWS DIRECTORS ADVISORY: Historic plaques honoring the nine former presidents of Texas Tech University and two honoring the former presidents of the Texas Tech University Health Sciences Center are now mounted and available for photos. For discussion of the dedication ceremonies Friday (Oct. 3) and the information on the plaques -- each giving highlights of the president's administration -- contact Dr. Lawrence L. Graves, editor of the Handbook of Texas, 742-3994, or Dr. David J. Murrah, director of the Southwest Collection, 742-3749. They are authors of the texts of the plaques that were designed by Gary Edson, director, The Museum of Texas Tech University. (Dr. Graves is professor of history emeritus and a former interim president and dean of the College of Arts and Sciences.) The health sciences center plaques are mounted outside the entrance to the library, second floor of Pod B, Health Sciences Center Building. The university plaques are mounted in the sally port of the Administration Building. Complete texts of the plaques are available in the office of News and Publications, 742-2136.

AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

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CONTACT: B. Zeeck

6-9-29-86

LUBBOCK--The Boards of Regents of Texas Tech University and the Texas Tech University Health Sciences Center will begin two-day meetings at 8:30 a.m. Thursday (Oct. 2) with committee sessions.

The formal meeting of the board will begin at 8:30 a.m. Friday. All sessions will be in the board suite in the Administration Building.

Regents will hear reports on: activity of the Texas Legislature that could affect the university and health sciences center, the medical aspects of drug testing of athletes; acquisition by lease of the National and State Lubbock Lake Landmark for archeological studies; the English proficiency of faculty for whom English is a second language; and the year-old Enterprise Campaign to raise \$60 million in endowment funds.

Regents also will participate in three public dedication ceremonies.

The first of these will take place at 5:30 p.m. Thursday to dedicate the Athletics Training Center built south of Jones Stadium for practice play in inclement weather by athletes and physical education students.

Other ceremonies held Friday will dedicate historic plaques commemorating the administrations of former presidents.

#### REGENTS/ADD 2

The first of these will take place at 7:45 a.m. at the Texas Tech University Health Sciences Center Building where plaques honoring Drs. Grover E. Murray and Cecil Mackey -- the first two presidents of that institution -- have been mounted outside the second-floor library entrance.

Former Presidents Murray, Mackey and R. C. Goodwin will be present.

The third ceremony will take place on the north side of the university Administration Building where Texas Tech's first convocation was held 61 years ago. At this dedication, the nine former presidents of Texas Tech will be honored. Plaques recording highlights of their administrations have been mounted in the sally port of the building.

In addition to the three former presidents there will be present about 30 members of former presidents' families.

The plaques, read in sequence, record the progress and development of the university and the health sciences center. They are the gift of an anonymous donor.

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Bee Zeeck, Director, (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

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CONTACT: B. Zeeck

7-9-29-86

LUBBOCK--More than 30 relatives of former Texas Tech presidents, coming from as far away as New York and Detroit, will attend the dedication Friday (Oct. 3) of bronze plaques honoring the nine former presidents. Three former presidents will attend.

There are 11 plaques in all -- two mounted in the Texas Tech University Health Sciences Center Building and nine in the sally port of the Administration Building on the university campus. The dedication ceremony at the health sciences center will take place at 7:45 a.m. and the ceremony at the university at 11 a.m. Both are open to the public, as is a reception for the former presidents and families of former presidents at 9:30 a.m.

The plaques are the gift of an anonymous donor and were commissioned by the Board of Regents.

Each plaque bears the likeness of the president it honors and records a brief summary of progress made during his administration. Read in sequence, the plaques record the history of the two institutions.

Two plaques previously were mounted in the sally port of the Administration Building. These honored Tech's first president, Paul Whitfield Horn, and the second, Bradford Knapp. Both men died in office, and both plaques bore inspirational messages reflecting on the character of Horn and Knapp. These plaques have been refurbished and mounted in the lobbies of Horn and Knapp residence halls on campus.

At the health sciences center ceremony the first president of that institution, Dr. Grover E. Murray, and the second president, Dr. Cecil Mackey, will be present. Also participating in the program will be members of the Board of Regents; Texas Tech President Lauro F. Cavazos; Dr. Samuel E. Richards, vice president for the health sciences center who will give the dedication address; Dr. David J. Murrah, director, Southwest Collection, who is a co-author of the text on the plaques; Gary Edson, director, The Museum of Texas Tech University, who designed the plaques.

Among others who will be present will be Dr. R. C. Goodwin, president from 1960 to 1966, and former and present deans of the health sciences center schools.

The program for the 11 a.m. dedication of the plaques at the Administration Building is similar. Here the dedicatory address will be given by Dr. Lawrence L. Graves, an emeritus faculty member who served as professor of history, dean of the College of Arts and Sciences and interim president, 1979-80. He is a co-author of the text on the plaques.

This ceremony will follow a public reception for former presidents and their families, beginning at 9:30 a.m. in the courtyard of the University Center. A carillon concert by music Professor Judson Maynard will follow the reception and precede the 11 a.m.dedication ceremony. There is no charge for any of the events.

#### TTU PLAQUES/PAGE 3

Among those present for the dedication will be William H. Horne (cq), a New York resident and great nephew of President Horn; three of President Knapp's family, Virginia Knapp and Mr. and Mrs. Owen B. Hurst; the son, Clifton, and daughter, Mrs. George A. Austin, and other relatives of President William M. Whyburn; Mrs. D. M. Wiggins, the widow, and other relatives of President Dossie M. Wiggins; Mrs. E. N. Jones, the widow, and other relatives of President E. N. Jones; and several Goodwin family members, including a brother, Joe T. Goodwin, -- coming from as far away as Michigan and Florida.

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Bee Zeeck, Director, (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

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CONTACT: Beverly Taylor

8-9-30-86

LUBBOCK--The role of guilds and patronage in the arts of the Renaissance will be discussed by Texas Tech University history Professor John Howe at 11 a.m. Tuesday (Oct. 7) at The Museum of Texas Tech University.

The lecture is the second of this year's Tuesday art seminars sponsored by the Women's Council of the West Texas Museum Association. Registration begins with coffee at 10:30 a.m.

Dr. Howe, an expert in medieval and Renaissance history, will explain how guilds were a link between art supported by royalty and the art of the people.

"The guilds were the early version of labor unions and the chamber of commerce," Howe said. "They made art more concrete and realistic and expanded the range of subjects from religion and great men to scenes from everyday life."

For example, stained glass windows commissioned during the Renaissance frequently depict the guilds which created them or common artisans engaged in their crafts.

"Art Through the Ages," the Women's Council's 26th year of art seminars, focuses this year on the European Renaissance. Fall lectures will deal with northern Europe and spring lectures will highlight Spain and England.

Season tickets for fall and spring art seminars are \$35 for non-Women's Council members, \$25 for members and \$10 for Texas Tech students. Registration for either the fall or spring series is \$20 for non-members, \$15 for members and \$5 for students. Individual lectures are \$3 each, payable at the door.

For information, call WTMA at (806) 742-2443.

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Bee Zeeck, Director, (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

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CONTACT: Sally Logue Post

9-9-30-86

LUBBOCK--Gerald Thomas, former dean of the Texas Tech University College of Agricultural Sciences, will speak on "American Agriculture and the World Economy: What is the Impact of International Development?" Wednesday (Oct. 1).

The free lecture is set for 8:30 a.m. in the Senate Room of the University Center. A reception for Dr. Thomas will follow the lecture at 9:30 a.m.

Thomas is an internationally known authority on agriculture and international development, according to Idris R. Traylor, director of Texas Tech's International Center for Arid and Semi-Arid Land Studies (ICASALS). ICASALS, along with the College of Agricultural Sciences, is sponsoring the lecture.

Thomas recently retired as president of New Mexico State University.

For more information contact ICASALS at (806) 742-2218.

Amp: WATCAP. (PIII)

10-9-30-86

How In Park
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### caption----

ENGINEERING GIFT--A contribution of \$250,000 has been made by

1948 petroleum engineering graduate George F. Watford and his wife,

Joan M. Watford, of Houston to establish an endowed professorship

in the Texas Tech University Petroleum Engineering Department.

Texas Tech President Lauro F. Cavazos, from left, Mr. and Mrs. Watford

and Engineering Dean Mason H. Somerville participate in the presentation

during 1986 Homecoming activities. Watford is the retired president

and chief executive officer of Prairie Producing Co., Houston.

(TECH PHOTO)

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Bee Zeeck, Director, (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

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CONTACT: Debbi Whitney

11-9-30-86

LUBBOCK--With increased availability of growth hormones in the future, medical practitioners must exercise caution in distributing the substance only to those children lacking it, a pediatric endocrinologist says.

Synthetic growth hormone is expected to become available to physicians and their patients within months, pending approval by the Food and Drug Administration, said Dr. Surendra K. Varma, pediatrics professor at Texas Tech University Health Sciences Center (TTUHSC). Currently, the hormones are approved for use only by endocrinologists.

The hormones first were derived naturally from cadaver pituitary glands to treat abnormally small children with growth hormone deficiency. But the expense of extracting natural hormones and the risk of passing disease through the natural form led to the manufacturing of the synthetic variety. Varma feels the drug will be put into the hands of more people in the near future.

"We are most concerned that physicians who are not specialists in this field be cautious in using the hormone," Varma said. "We do not have enough information yet on what harm it could cause to children who are not growth hormone deficient but just naturally short."

Prolonged usage of the substance in children who are not growth hormone deficient may result in hypertension, diabetes and malignancy, he said.

#### HORMONE DEFICIENCY/PAGE 2

Any child who is not growing at a normal rate needs to be examined carefully before starting growth hormone therapy, Varma said. Candidates for such testing are those who are growing less than five centimeters (about 2 inches) a year and who have a deficiency in somatomedin, a substance important in regulating growth.

"Then, whether these children can achieve their ultimate height with therapy remains to be seen," Varma said.

Children with suspected growth hormone deficiency should be referred to a specialist for examination, he said.

"We want to make physicians aware that this is not something that can be treated without proper investigation," he said.

A specialist's examination includes monitoring for growth hormone secretion and levels of other hormones secreted by the pituitary gland.

Specialists also can determine if lack of growth can be blamed on psychosocial dwarfism, a condition caused by emotional deprivation that does not require growth hormone therapy but a change of environment instead. Varma said these children tend to begin producing growth hormone again once their social situation changes.

Hormone treatment involves injections three times a week until the child reaches at least 13 to 14 years old. Varma said physicians monitor the child's bone maturation and stop giving the hormone once the maturity level is reached.

#### HORMONE DEFICIENCY/PAGE 3

Before the availability of synthetic hormones, he said, artificial height limits were set at 5 feet 6 inches for boys and 5 feet for girls, but now children should be able to reach the desired height for their bone structure. The limits previously set were done to preserve the hormone for others who needed it.

Varma and co-investigator Dr. Michael J. Bourgeois have received a grant from Eli Lilly Co. which provides growth hormone free for one year to qualifying children. The Texas Department of Health also is providing financial help through its Crippled Children's Fund to indigent children proven to need the hormone.

Varma said the hormone also is being researched in the United States for its capabilities in treating obesity and in healing burn wounds.

Story ideas for the week of October 6-10, 1986 12-10-1-86

### Texas Tech University

University News & Publications BOX 4640/LUBBOCK, TEXAS 79409/(806) 742-2136



BYPASS IMPROVEMENT--When bypass surgery is performed, the saphenous vein is usually taken from the patient's leg to bypass the blocked coronary artery. The procedure makes recovery for the bypass patient even more difficult because of post-operative pain and immobility in the contributing leg. Texas Tech University chemical engineering Professor Fred Senatore is working on an artificial vein which could eliminate that procedure. Blood-clotting is usually a problem when using artificial vessels. Senatore says he and his associates believe they have solved that problem, but are still running tests to be sure. For more on Dr. Senatore's research, call him at 742-1762.

MIXING DEFICITS AND FARMING--The federal deficit affects us all in one way or another, but Texas Tech University agricultural economics Professor Dean W. Hughes is studying its effects on agriculture. In conjunction with two other researchers, Hughes examined the possible implications of three sets of government policies on the farm sector: not reducing the deficit; balancing the budget by cutting expenditures; and a compromise system that allowed modest tax increases, limited growth in government spending and low inflation. To discuss his findings, call Dr. Hughes at 742-2821.

SATURDAY CLASSES--Some kindergarten through 12th grade students will be in classrooms this Saturday (Oct. 4) at Texas Tech University. That's when the fall sessions of Super Saturdays and Young Actors Workshop for gifted and talented students will begin. The programs were created to give students academic and creative experiences beyond the normal school curriculum. Super Saturdays sessions include astronomy, photography, science mysteries and more. While Young Actors Workshop allows students to expand their imaginations and learn theater basics. For details, contact Dr. Mary Tallent at the Institute for the Gifted, Texas Tech University, 742-2353.

REMINDER--Actor and activist Mike Farrell (M\*A\*S\*H) will be available to answer media questions at a 5 p.m. news conference Tuesday (Oct. 7) in the Media Room of Lubbock International Airport. Farrell will speak at 8:15 p.m. in the Texas Tech University Allen Theater. For assistance, contact Preston Lewis, News and Publications, 742-2136.

For assistance in developing these and other story ideas, contact Dorothy Power/Don Vanlandingham, News & Publications, 742-2136.

#### AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

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CONTACT: Beverly Taylor

13-10-1-86

LUBBOCK--A metal and jewelry artist from California will lecture in the Texas Tech University Art Building Oct. 9.

Christina Smith from Los Angeles will speak at 8 p.m. Oct. 9 in the Art Building, Room B-01. The lecture is open to the public.

#### AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

TEXAS TECH UNIVERSITY/TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER NEWSONT AUTHORS CONTROL TEXAS 79409/(806) 742-2136

14-10-1-86

(MEDIA ADVISORY--You are invited to attend a news conference for actor Mike Farrell at 5 p.m. Tuesday (Oct. 7) in the Media Room of Lubbock International Airport. For information, contact Preston Lewis, News and Publications, at 742-2136.)

LUBBOCK--Actor and activist Mike Farrell, best known for his role as BJ Honeycutt on the long-running hit television series M\*A\*S\*H, will speak at 8:15 p.m. Tuesday (Oct. 7) in the Texas Tech University Allen Theater.

Farrell will discuss his work in the entertainment field as well as some of the issues which led him to become an activist. Tickets are \$6 at the door.

In addition to his acting credits on M\*A\*S\*H, one of the most successful television programs in history, Farrell was also a writer and director of many of the shows, one of which was nominated for an Emmy.

He has also appeared in several TV movies, including "Choices of the Heart," "Memorial Day," "Battered," "The Questor Tapes" and "JFK -- A One Man Show."

Farrell supports several political causes. He is chairman of the Committee of Concern for Central America, a group of entertainment and broadcast industry professionals who feel U.S. policies toward that region reflect a fundamental misunderstanding of those countries and the problems of their people. Farrell has also been active in efforts to eliminate child abuse.

His Texas Tech appearance is sponsored by University Center Cultural Events and University Center Programs. For additional information, contact Mary E. Donahue of University Center activities at 742-3621.

#### AFTER HOURS CALL:

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CONTACT: Sally Logue Post

15-10-1-86

(MEDIA ADVISORY: You are welcome to cover any of the trade symposium or Sen. Phil Gramm's speech. For more information, contact Professor T.R. Owens at (806) 742-2821 or Sally Logue Post at (806) 742-2136.)

LUBBOCK--U.S. agriculture has faced tough times during the 1980s. High interest rates, a strong dollar, bumper crops and increasing competition from foreign exporters have left the farmer with heavy crop surpluses and a diminishing world market.

Texas Tech University agricultural economics Professor T.R. Owens said the more recent decline in interest rates and fall in the value of the dollar has been heralded by some authorities, including the Reagan administration, as events necessary for economic imporvement in the agricultural economy through increased trading.

The Texas Tech Agricultural Economics Former Students Association will examine the role of trade as a solution to the agricultural problem during a one-day seminar Oct. 31.

"Trading Away the Agricultural Problem: Myth or Reality" will begin at 8 a.m. in the Lubbock Memorial Civic Center Theater. The program will feature commodity experts, governmental officials and policy experts. Texas Sen. Phil Gramm will also speak during a banquet following the seminar at 7:30 p.m. in the Hilton Hotel.

A panel of commodity experts discussing trade prospects for wheat, feed grains and cotton will lead off the morning sessions. Speaking will be Winston Wilson, president of the U.S. Wheat Associates, Washington, D.C.; Darwin Stolte, president of the U.S. Feed Grains Council, Washington, D.C.; and Kevin McDermott, market research director of Calcot Ltd., Bakersfield, Calif.

### AGRICULTURAL TRADING/PAGE 2

Also on the program is Milton Hertz, associate administrator of the Agricultural Stabilization and Conservation Service (ASCS) and vice president of the Commodity Credit Corp. (CCC). Hertz will speak on "Facilitating Agricultural Exports -- CCC Experience and Prospects." Hertz is responsible for overall policy formulation and program development and operation for the ASCS.

Farmer cooperatives as exporters will be examined by Eugene L. Bovee, vice president of the Center Bank for Cooperatives in Denver, Colo. The Central Bank of Cooperatives is part of the Farm Credit System, which participates in loans to farmer-owner cooperatives. Bovee, who joined the bank's staff in 1982, serves in the international banking division and is responsible for credit and trade finance and development functions.

The trade implications of the Food Security Act of 1985 will be examined by Professor Luther Tweeten, Regents Professor at Oklahoma State University. Tweeten's research emphasis is on public policy for agriculture; regional, national and international economic development; and the economics of human resources.

Charles J. O'Mara, assistant administrator for international trade policy with the Foreign Agricultural Service of the U.S. Department of Agriculture, will discuss current U.S. Trade Policy. O'Mara has spent time as agricultural counselor in the U.S. Embassy in Buenos Aires, Argentina, and as agricultural officer in the U.S. Consulate General's office in Sao Paulo, Brazil.

Registration fee for the seminar is \$55 and may be paid at the door. Tickets to the banquet are \$20 and may be purchased separately from the seminar registration. Banquet tickets are limited to 225 and will sold on a first come, first served basis.

For more information, contact Texas Tech agricultural economics Professor T.R. Owens at (806) 742-2821.

AFTER HOURS CALL:

Bee Zeeck, Director, (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

TEXAS TECH UNIVERSITY/TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER NEWS AND PUBLICATIONS/P.O. BOX 4640/LUBBOCK, TEXAS 79409/(806) 742-2136 CONTACT: Sally Logue Post

16-10-1-86

LUBBOCK--Carson Donnell Echols of Lamesa, Robert L. Pfluger of San Angelo and Levon L. Ray of Lubbock have been named Distinguished Agriculture Alumni of the Texas Tech University College of Agricultural Sciences.

The three will be honored during a luncheon Oct. 17 in the University Center. Tickets are \$8 and must be reserved by Oct. 14.

The Distinguished Agriculture Alumni award recognizes individuals who have made significant contributions to society and whose accomplishments and careers have brought distinctive credit to the College of Agricultural Sciences and to the agricultural profession as a whole, according to agricultural sciences Dean Sam E. Curl.

Echols is a 1959 graduate with a bachelor's degree in agricultural economics. Echols is president and owner of Patricia E-Bar Gin Inc., E-Bar Cattle Co. Inc. and E&E Farm Inc.

He received the Gerald Thomas Outstanding Agriculturalist Award from the College of Agricultural Sciences in 1971. He was named Dawson County Cotton Growers "Mr. Cotton" in 1975 and and Texas County Agriculture Agents Association Man of the Year in Texas Agriculture in 1981.

He is presently on the board of directors of the Texas Tech
Textile Research Center, the Lamesa Federal Savings and Loan
Association and the advisory committee of the Lamesa Cotton Growers.
He has served as president and board chairman of Plains Cotton
Growers, president of Dawson County Cotton Growers, chairman of the
South Plains Development Program, president of the Texas Tech
Ex-Students Association and director of Water Inc.

Pfluger received a bachelor of science degree in animal science in 1951. He is owner and operator of cattle, sheep and goat ranching operations in Sutton, Kimble, Edward and Crockett counties.

He received the Gerald W. Thomas Outstanding Agriculturalist Award from the College of Agricultural Sciences in 1982. A former member of the Texas Tech Board of Regents, Pfluger served as chairman of that board from 1978 to 1980. He is also a founding member of the board of directors and a past president of the Mohair Council of America. Pfluger has been active in developing interest in the use of mohair with the U.S. fashion industry. He has traveled to Europe extensively to develop American mohair markets and as the U.S. Representative to the International Mohair Association.

Pfluger has also been a director of the Texas Sheep and Goat
Raisers Association for more than 20 years. He has served as chairman
of District 4 and chairman of the wool and mohair marketing committee.
He is also a director of the Federal Reserve Bank of Dallas and a
member of its 1986 Audit Committee.

Ray received a bachelor's degree in agricultural education in 1948 and a master's degree in agronomy in 1952 from Texas Tech. He is currently a cotton research scientist for Funk Seeds International Inc. in Lubbock.

Ray received the Gerald W. Thomas Outstanding Agriculturalist Award from the College of Agricultural Sciences in 1974. He also has been named Man of the Year in Southwest Agriculture by Progressive Farmer Magazine in 1971. He has received the U.S. Department of Agriculture Superior Service Award in 1973, the Cotton Genetics Research Award in 1980 and the Research Recognition Award from the High Plains Research Foundation in 1980.

### AG SCIENCES ALUMS/PAGE 3

He received a U.S. patent for a method of producing hybrid cotton in February 1986 and has several cotton hybrids in advance stages of testing.

Ray has done pioneer work in short-season cotton and narrow-row cotton production research. He has conducted research leading to improved fiber quality and disease resistance and has shown the feasibility for the production of low gossypol cotton on the Texas High Plains. Ray has also developed concepts to reduce contamination in cotton lint and thereby reduce the problems of byssinosis, a health problems in textile mills.

For more information about the awards luncheon, contact the College of Agricultural Sciences at (806) 742-2808.

AFTER HOURS CALL:

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CONTACT: Preston Lewis

17-10-1-86

LUBBOCK--The chemicals used by farmers to increase production are leaving an insidious and obscure trail all the way from the farm to the nation's water supply.

But following that trail is like tracking a candle by its smoke. While not impossible, it is exceedingly difficult.

With funding from the Texas Water Development Board, Texas Tech University agricultural engineering Professor Clifford B. Fedler is trying to pinpoint that slow migration of chemicals into the groundwater supply.

Much of his research is looking at what has traditionally been called "non-point" pollution -- that which cannot be traced to a single "point" or source. Chemicals applied to farmland are traditionally considered non-point source pollution because they are so widely dispersed.

But conventional thinking has always been that those non-point chemicals percolate through the soil to the water supply. Fedler said that may not be exactly the case.

"With the tight soil configuration on the South Plains, I can't believe the chemicals reach the aquifer that way," Fedler said. "Our simulation studies have shown that it takes as much as 30 days for a solution to move four feet down in the soil and by then the concentration has decreased by about 20 fold."

Fedler noted that some wells in Texas have been identified as having a high arsenic content. Since arsenic is an ingredient in chemicals used to defoliate cotton, the defoliants may be the source that is endangering those wells.

#### WATER CONTAMINATION/PAGE 2

One area of Fedler's study is to determine how quickly solutions move through the aquifer. To accomplish that, he has injected a salt solution at the rate of two gallons a minute for 24 hours into a test well on the Texas Tech campus where the aquifer is near the surface.

After that he drew samples -- twice a day for a week after the injection and then daily for another two weeks -- from nine other wells in a grid extending 25 to 200 feet away from the injection well. He will continue to take samples for a year.

This information on the movement of a solution through the aquifer will help him evaluate his hypothesis on how non-point source pollution may be reaching the groundwater.

"Non-point pollution may become point pollution through erosion by wind and water," Fedler said. "Erosion could be depositing these pollutants in concentrations great enough that they reach the aquifer through a well, for instance.

"Personally, I don't think the agricultural chemicals are getting into the groundwater by the saturation method," he said, "because our laboratory testing just isn't showing that."

More and more, Fedler said, what is becoming apparent is the need for good conservation techniques, not only to preserve the soil, but also to prevent the spread of potential contaminants to our water supply.

"If we don't identify how these contaminants are reaching the groundwater and pay attention to it," Fedler said, "the problem could become severe."

The research is being funded by a \$82,972 grant from the Texas Water Development Board. Fedler and Marvin J. Dvoracek of agricultural engineering and Dr. R. Heyward Ramsey and Dr. Kenneth A. Rainwater, both of Texas Tech's Civil Engineering Department, are participating in the study.

caption---- 18-10-1-86

WATER LOGGED--Texas Tech University agricultural engineering
Professors Clifford B. Fedler, from left, and Marvin J. Dvoracek draw
samples from a test well which is helping them evaluate the movement
of foreign solutions through the aquifer. The research, funded by the
Texas Water Development Board, is seeking to determine how non-point
pollutants -- such as agricultural chemicals -- reach groundwater
supplies. (TECH PHOTO)

#### AFTER HOURS CALL:

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CONTACT: Beverly Taylor

19-10-1-86

LUBBOCK--The legacy of quiltmaking in the lives of American pioneer women will be dramatized in a musical production "Quilters" at the Texas Tech University Laboratory Theatre and a quilt show at the Ranching Heritage Center (RHC) of The Museum.

"Quilters," originally produced by the Denver City Theatre
Company, will show at 8 p.m. Oct. 9-12 and 16-19 with 2 p.m. matinees
Oct. 12 and 19. Tickets, on sale at the University Theatre, are \$6
for evening performances, \$5 for matinees and \$2 for Texas Tech
students.

Written by Barbara Damashek and Molly Newman, the musical tells the story of quiltmaking and its significance in the lives of pioneer women through Sarah, the matriarchal figure of the play, and six daughter figures who play a variety of characters to whom Sarah passes on the legacy.

The musical is based on the book, "The Quilters: Women and Domestic Art," by Patricia Cooper and Norma Bradley Allen.

The quilt show, "150 Years of Quilts and Quiltmakers on the Texas South Plains: 1836-1986," will be on display at the RHC Oct. 19 through March 8. The exhibit will include 40 antique quilts made between 1839 and 1937. Ranging from small crib quilts to very large creations, the quilts are from The Museum and private collections.

An opening reception for the show will be from 2-3:30 p.m. Oct. 19.

#### QUILTERS/PAGE 2

Linking the musical and the quilt show is the Legacy Quilt, which is being crafted by area quilters. The 10 foot by 10 foot quilt has a legacy design in the center and is bordered by blocks which signify important aspects in the lives of pioneer women.

At the beginning of the play Sarah, portrayed by graduate theatre arts major Kay Fuselier from Eunice, La., says, "I've lived a long time and I've made a lot of quilts. But this last one I'm making, this one's gonna be my best effort ever. It's like a family album. Each block means something special to me...Each block is different, each pattern has a thread of somebody's life runnin' through it. You'll see my thread in there from time to time with all the others...it's my legacy quilt."

Theatre arts Professor Clifford Ashby, director, said, "The play is structured around 15 blocks or sections woven into the quilt to produce one giant quilt about pioneer women. The Rocky Road block relates a family's move to California and the Rebel Patch tells about a child's coming of age."

Other blocks symbolize birth, death, marriage, education and labor, he said.

The daughters will be played by theatre arts students Bethany Larson, senior from Sherman; A. Paige Parker, senior from Midland; Robin J. Reddell, sophomore from Lubbock; Erica R. Springfield, a freshman from Germany; Ira Lynne White, a graduate student from Tahoka; and Julie M. Tucek, senior from The Woodlands.

The Legacy Quilt, which will be displayed in the quilt show except when being used for later showings of the musical, has involved around 200 hours of volunteer work by area quilters. The quilters were led by the Prairie Windmill Quilt History and Research Chapter of the National Quilting Association which is a co-sponsor of the quilt show along with the RHC and The Museum.

### QUILTERS/PAGE 3

Group member Sharon Newman of Lubbock, said the Legacy Quilt signifies the bits and pieces of pioneer women's lives.

"The beauty of women and their quilts stands out as part of a rather harsh environment," she said. "Women were always quilting for economic reasons and it was also a social gathering. They used bits and pieces of leftover material which they traded among each other, so a quilt was a reminder of friends and family."

Newman and other quilters will also hold four workshops at the RHC during the quilt show. Individuals may bring their quilts for pattern identification and dating from 10 a.m. to noon and 1-3 p.m. Oct. 23 and March 5. Information about preserving quilts will be presented from 10 a.m to noon and 1-3 p.m. Nov. 20 and a quiltmaking workshop for children and adults will be held from 10 a.m. to noon Jan. 17.

Admission is free to the quilt show and workshops.

The quilts will be displayed in a setting with historic furniture from the RHC. A catalog with photographs of each of the quilts, their histories and general information about quilting will be available.

(EDITOR'S ADVISORY: Two Lubbock students and a Shallowater student are part of the cast and crew for "Quilters." Sophomore theatre arts major Robin J. Reddell, daughter of Mr. and Mrs. Harlan W. Reddell of 3208 47th St., Lubbock, will play one of the daughters. Senior theatre arts major Mark Garcia, son of Mr. and Mrs. David F. Garcia of 5202 44th St., Lubbock, is properties master. Freshman theatre arts major Robert Jarnagin, son of Mr. and Mrs. Walter V. Jarnagin of Route 1, Shallowater, is on the lighting crew.)

caption---- 21-10-1-86

LEGACY QUILT--Area quilters craft a Legacy Quilt for a production of the musical "Quilters" Oct. 9-12 and 16-19 at the Texas Tech University Laboratory Theatre. Quilters are, from left, Caroline Crawford, theatre design major from Charleston, S.C.; Bethany Larson, theatre arts major from Sherman; LaJuan Slaton and Jackie Reis, members of area quilting clubs. The quilt will also be part of a quilt show at the Ranching Heritage Center of The Museum of Texas Tech University Oct. 19 through March 8. (TECH PHOTO)

### AFTER HOURS

TexasTech News

Bee Zeeck, Director, (806) 799-8897 Preston Lewis, Manager, News Bureau, (806) 745-1718 Dorothy Power, Manager, Broadcast Bureau, (806) 745-4493

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CONTACT: Beverly Taylor

22-10-2-86

(EDITOR'S ADVISORY: A student from your area is a member of the "Quilters" crew.)

LUBBOCK--The legacy of quiltmaking in the lives of pioneer women will be dramatized in a Texas Tech University theatre arts production of "Quilters" Oct. 9-12 and 16-19 at the Texas Tech University Laboratory Theatre.

The musical is structured around a Legacy Quilt which is bordered by 15 blocks symbolizing important aspects in the lives of pioneer women. Blocks represent birth, death, marriage, education and labor.

Sarah, the matriarchal figure in the musical, passes on the legacy of quilting to six daughter figures.

Show times will be at 8 p.m. daily with matinees at 2 p.m. Oct. 12 and 19. "Quilters" will also be a contest entry at the American College Theatre Festival XIX Nov. 21 in El Paso.

In conjunction with the musical, a quilt show "150 Years of Quilts and Quiltmakers on the Texas South Plains: 1836-1986" will be on display at the Ranching Heritage Center of The Museum of Texas Tech University Oct. 19 through March 8.

Members of the crew include:

Austin: Freshman mass communications major Margo Shaw, daughter of Mr. and Mrs. Bill Shaw, 8908 Dorellz, lighting;

Carrizo Springs: graduate theatre arts major Mark W. Ayers, son of Mr. and Mrs. L.W. Blackard, master electrician;

Dallas: sophomore education major Brenda Johnston, daughter of Mr. and Mrs. George E. Johnston, 2912 Golfing Green, scenery;

Duncanville: Junior psychology major Terri A. Scott, daughter of Mr. and Mrs. Stanley G. Scott, 906 Rock Canyon, costumes;

### QUILTERS/PAGE 2

Houston: Sophomore psychology major Synette R. Schmidt, daughter of Mr. and Mrs. Reese Schmidt, 9539 Beverly Hill, costumes;

Pottsboro: Sophomore theatre design major Clinton E. McLaughlin, son of Mr. and Mrs. R.E. McLaughlin Jr., Route 1, assistant director and stage manager;

Stephenville: Graduate theatre arts major Elaine Sehnert, daughter of Mrs. Lowell Gresham, 413 W. Long, scenery;

Tyler: Graduate design major Doug Gilpin, son of Mr. and Mrs. Kenneth Cowan, Route 10, assistant technical director and shop foreman;

Wichita Falls: Graduate theatre arts major James Cunningham, son of Mr. and Mrs. J.J. Cunningham Jr., 1305 Hunt, technical director;

Fayetteville, Ark.: Sophomore theatre arts major Amy Jones, daughter of Tom R. Jones, 588 Assembly St., scenery; and

Charleston, S.C.: Theatre design major Caroline Crawford, daughter of Mr. and Mrs. A.S. Crawford, 57 Tradd St., scenic artist.

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CONTACT: Beverly Taylor

23-10-2-86

LUBBOCK--Kay Jackson Fuselier, daughter of Mr. and Mrs. H.G. Jackson of 1301 Oak, Eunice, La., will play the lead character in a Texas Tech University theatre arts production of "Quilters" Oct. 9-12 and 16-19 at the Texas Tech Lab Theatre.

Fuselier, a graduate student in theatre arts, will portray Sarah, the matriarch who passes on the legacy of quiltmaking to six daughter figures.

The musical is structured around a Legacy Quilt which is bordered by 15 blocks symbolizing important aspects in the lives of pioneer women. Blocks represent birth, death, marriage, education and labor.

Show times will be at 8 p.m. daily with matinees at 2 p.m. Oct. 12 and 19. "Quilters" will also be a contest entry at the American College Theatre Festival XIX Nov. 21 in El Paso, Texas.

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CONTACT: Beverly Taylor

24-10-2-86

LUBBOCK--Senior theatre arts major Bethany Ann Larson, daughter of Mr. and Mrs. Lowell Larson of 1806 Yarborough, Sherman, will portray one of six daughter figures in a Texas Tech University theatre arts production of "Quilters" Oct. 9-12 and 16-19 at the Texas Tech Lab Theatre.

The musical is structured around a Legacy Quilt which is bordered by 15 blocks symbolizing important aspects in the lives of pioneer women. Blocks represent birth, death, marriage, education and labor.

Sarah, the matriarchal figure in the musical, passes on the legacy of quilting to the daughters.

Show times will be at 8 p.m. daily with matinees at 2 p.m. Oct. 12 and 19. "Quilters" will also be a contest entry at the American College Theatre Festival XIX Nov. 21 in El Paso.

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CONTACT: Beverly Taylor

25-10-2-86

LUBBOCK--Senior theatre arts major A. Paige Parker, daughter of Mr. and Mrs. Doyle P. Parker of 6 Quail Run, Midland, will portray one of six daughter figures in a Texas Tech University theatre arts production of "Quilters" Oct. 9-12 and 16-19 at the Texas Tech Lab Theatre.

The musical is structured around a Legacy Quilt which is bordered by 15 blocks symbolizing important aspects in the lives of pioneer women. Blocks represent birth, death, marriage, education and labor.

Sarah, the matriarchal figure in the musical, passes on the legacy of quilting to the daughters.

Show times will be at 8 p.m. daily with matinees at 2 p.m. Oct. 12 and 19. "Quilters" will also be a contest entry at the American College Theatre Festival XIX Nov. 21 in El Paso.

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CONTACT: Beverly Taylor

26-10-2-86

LUBBOCK--Graduate theatre arts major Ira Lynne White, daughter of Mr. and Mrs. T.C. White of 1207 N. Sixth, Tahoka, will portray one of six daughter figures in a Texas Tech University theatre arts production of "Quilters" Oct. 9-12 and 16-19 at the Texas Tech Lab Theatre.

The musical is structured around a Legacy Quilt which is bordered by 15 blocks symbolizing important aspects in the lives of pioneer women. Blocks represent birth, death, marriage, education and labor.

Sarah, the matriarchal figure in the musical, passes on the legacy of quilting to the daughters.

Show times will be at 8 p.m. daily with matinees at 2 p.m. Oct. 12 and 19. "Quilters" will also be a contest entry at the American College Theatre Festival XIX Nov. 21 in El Paso.

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CONTACT: Beverly Taylor

27-10-2-86

LUBBOCK--Senior theatre arts major Julie Tucek, daughter of Dr. and Mrs. L.T. Tucek of 10720 Timberwagon Drive, The Woodlands, will portray one of six daughter figures in a Texas Tech University theatre arts production of "Quilters" Oct. 9-12 and 16-19 at the Texas Tech Lab Theatre.

The musical is structured around a Legacy Quilt which is bordered by 15 blocks symbolizing important aspects in the lives of pioneer women. Blocks represent birth, death, marriage, education and labor.

Sarah, the matriarchal figure in the musical, passes on the legacy of quilting to the daughters.

Show times will be at 8 p.m. daily with matinees at 2 p.m. Oct. 12 and 19. "Quilters" will also be a contest entry at the American College Theatre Festival XIX Nov. 21 in El Paso.

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CONTACT: Sally Logue Post

28-10-2-86

LUBBOCK--Application deadline is Oct. 16 for the spring 1987 semester of the Texas Tech University Health Sciences Center School of Nursing.

The school will be accepting licensed vocational nurses (LVN) only for this semester.

The School of Nursing offers a bachelor of science in nursing degree. The school's Lubbock campus accepts registered nurses (RN), licensed vocational nurses and students with no previous nursing education. RNs and LVNs may be admitted to the program with credit for previous nursing education.

The School of Nursing's Permian Basin campus accepts applications from RNs only for admission in June of each year. For additional information about the Permian Basin program, contact Ella Herriage, assistant dean, at (915) 335-5150.

For more information about the Lubbock campus and the application process, contact the School of Nursing Student Services Office at (806) 743-2737.

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CONTACT: Beverly Taylor

29-10-2-86

LUBBOCK--Sixteen students are exhibiting their work in the second annual Texas Tech University Graduate Student Art Exhibition which continues through Oct. 30 in the Fine Arts Gallery of the Art Building.

Works reflect various studio majors in the master of fine arts program, including painting, drawing, printmaking, photography, ceramics and sculpture.

Works for the exhibit were selected by Gary Edson, director of The Museum of Texas Tech University and former chairman of the Art Department.

AFTER HOURS CALL

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CONTACT: B. Zeeck

LUBBOCK--Texas Tech regents Friday (Oct. 3) were advised by President Lauro F. Cavazos that, as a result of cutbacks in state income, the total state funding for university, health sciences center, and museum operating budgets for the current fiscal year, 1986-87, has been reduced by a total of 13 percent from what it was two years ago when the funding crisis began.

"Things are extremely tight," the president said, "but we will use every technique to make our budgets work. We're going to make it, but it's going to be awfully tight." He said that despite cuts Texas Tech will offer two complete 1987 summer sessions. To save money university employees will work four-day, 40-hour weeks in summer.

Regents will meet again Nov. 21 and will then revise budgets for Fiscal Year 1987, to conform to action taken by the recent special session of the state Legislature. Budgets established in August were set at: \$144.5 million for the university; \$64.6 for the health sciences center and \$488,000 for the museum. These budgets included a 3 percent pay increase for employees -- a raise now rescinded.

Regents also agreed to continue a feasibility study on co-generation of electricity for use by the university and health sciences center. The study is being conducted by Lockwood, Andrews & Newnam Inc. which presented a preliminary report.

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### REGENTS/ADD ONE

The board named project engineers or architects for various residence hall renovations. Among those appointed were Trevor Ford & Associates; Adling Associates; Fanning, Fanning & Agnew Inc.; and Tom Mills Architect. Tisdel and Associates was named project architect for construction of an Advanced Technology Learning Center computer room.