



Texas Tech University  
Texas Tech University Health Sciences Center

News and Publications  
Box 4640/Lubbock, Texas 79409-2022/(806) 742-2136

FOR IMMEDIATE RELEASE

REF: 1-2-13-89

CONTACT: Chris Patterson

LUBBOCK -- "Hispanic West Texas," an exhibition exploring an often neglected aspect of Texas history, will debut Feb. 21 at the Texas Tech University Library.

The bilingual exhibit is sponsored by Friends of the University Library/Southwest Collection and the Lubbock Cultural Affairs Council. The Southwest Collection, curator of the exhibit, also produced the display.

"Hispanic West Texas" is a six-panel traveling exhibit designed for display at medium-sized trade centers in West Texas. It focuses on the last 200 years of history of West Texas and the Llano Estacado. Each of the six panels highlight a particular concept concerning Hispanic experiences and contributions in art, architecture, economics and history.

Included in the exhibit is a tapestry from nationally recognized textile artist Romeo Reyna of Lubbock. Also included is artwork from Nephtali DeLeon of San Antonio, Eduardo Esparza of Austin and Olga Real of Lubbock.

As part of the dedication ceremonies for "Hispanic West Texas," Jesus F. de la Teja, an archivist for the Texas General Land Office, will present a lecture at 7:30 p.m. Tuesday (Feb. 21) in the Special Collections Room of the Texas Tech Library.

De la Teja, an expert on 18th century Spanish Colonial policy, will discuss the "Frontier in Mexican History." The Texas Tech Library will concurrently host a General Land Office exhibit on Hispanic land grants in Texas.

The Library will display both exhibits through March.

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HEALTH TIPSHEET  
from  
TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER  
February 10, 1989

ITCH, ITCH, ITCH -- The warmth of your home furnace may be adding to your winter misery. That's because the heat drives down the indoor humidity and leads to dry skin. The result is winter itch, a common problem this time of year, especially in dry climates. To avoid the itch and rash that may develop, Chairman Kenneth H. Neldner, M.D., of the TTUHSC dermatology department, suggests a simple winter skin care regimen. First, take shorter baths or showers. Second, when bathing use soap sparingly and gently wash, rather than vigorously scrub, your skin. And third, apply lots of your favorite skin lotion immediately after you bathe, when it is most effective, and at other times, if necessary. If the problem persists, you may need to buy an inexpensive humidifier for home use or investigate a humidity control system for the home. In a closed house during cold spells in semi-arid climates, humidity can easily drop to 5 percent or less. For more on winter itch, contact Neldner at (806) 743-2463.

UP IN SMOKE -- Because of the altitude, smoking can be especially harmful during airline flights. The higher the altitude, reports TTUHSC Physiology Professor James McGrath, Ph.D., the thinner the air and the less efficient tobacco and other substances burn. This produces increased carbon monoxide. High carbon monoxide levels can cause decreased mental alertness and even disorientation in humans. Though smoking is now banned on U.S. flights under two hours, it is permitted on longer flights where the problem could be more severe because the air in a pressurized cabin is recirculated. This subjects the passengers and crew to a double jeopardy of more carbon monoxide in the air at a time when their bodies, because of a cabin pressure generally maintained at 8,000 feet, must work harder to get adequate oxygen. For details, contact McGrath at (806) 743-2539.

For assistance in covering these or other stories, contact TTUHSC news manager Preston Lewis at (806) 743-2143. Photographs can be arranged upon request.

2-2-13-89

FOR IMMEDIATE RELEASE

REF: 3-2-13-89

CONTACT: Melissa Workman

LUBBOCK -- The American Rehabilitation Educational Network video conference "Parkinson's Disease: The Reality and the Promise" will be broadcast via satellite to the Texas Tech University Health Sciences Center 2-4 p.m. Feb. 21 in Room 4A100.

The speaker will be Dr. Melvin Yahr, chairman of the department of neurology at Mount Sinai Medical Center in New York. Yahr, who has researched Parkinsonism more than 35 years, helped develop the examination that assesses the state and stages of the disease in Parkinson's patients. Registration costs \$25.

The program will address diagnosis, long-term therapy and pharmaceuticals to treat Parkinson's. Other topics include brain grafting and transplanting, support measures, genetic implications of the disease and therapy to inhibit further progress of the disease.

Conference host is the Library of the Health Sciences Teaching and Learning Center, which can be reached at 743-2213 for details.

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FOR IMMEDIATE RELEASE

REF: 4-2-14-89

CONTACT: Chris Patterson

LUBBOCK -- Don D. Dwyer, agricultural consultant of international range livestock production, will be the guest speaker of the Charles L. Wood Agricultural History Lecture Series at 7:30 p.m. Thursday (Feb. 16) in the Special Collections Room of the Texas Tech University Library.

Dwyer, an adjunct professor of range and wildlife management at New Mexico State University, will discuss "The Role of the University in International Development."

He has written more than 80 pamphlets, articles and papers that examine the use of range lands for livestock production. He has been active in aiding agricultural development in Third World countries and much of his work has been conducted in Africa and South America.

The lecture series is free and open to the public. It is sponsored by the International Center for Arid and Semiarid Land Studies, the Southwest Collection, the department of history and the colleges of Agricultural Sciences and Arts and Sciences.

-30-

FOR IMMEDIATE RELEASE

REF: 5-2-14-89

CONTACT: Kippie Hopper

LUBBOCK -- A current "Works in Progress" exhibit in the Architecture Gallery features projects from RTKL, Architects. The exhibit includes sketches, presentation renderings, models and a cross-section of architectural, urban planning, interior and graphic design projects from RTKL's Dallas office.

The firm recently provided a comprehensive redevelopment plan for the city of Lubbock. RTKL is one of the nation's largest architectural, interior design, engineering and planning businesses and has won more than 100 design awards.

The exhibit continues through February in the Architecture Gallery, located on the courtyard level of the Architecture Building at 18th Street and Flint Avenue. Gallery hours are 10 a.m.-2 p.m. Monday and Friday, 10 a.m.-4 p.m. Tuesday and Wednesday and 9 a.m.-3 p.m. Thursday.

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Box 4640/Lubbock, Texas 79409-2022/(806) 742-2136

SCRIPT: Childhood Diabetes  
DATE: February, 1989  
Texas Tech Health Sciences Center

CONTACT: Preston Lewis  
(806) 743-2143  
REF: 6-2-15-89

AUDIO: Channel 1 -- Natural Sound  
Channel 2 -- Announcer

ANCHOR INTRO:

More than 10 million Americans have diabetes and for some of them that means taking daily shots of insulin to maintain their health.

Coping with diabetes is especially hard for children, who may not follow the careful diet restrictions that are necessary.

From the Texas Tech Health Sciences Center Larry Elliott shows us how one little girl copes with diabetes.

LENGTH: 1:37

OUTCUE: "Larry Elliott"

SOUND ON TAPE:

(0:00)

Doctors found Chelsea Watson's diabetes 8 months ago. Today she gets two shots of insulin every day. But she's a brave little girl. She even sticks her own finger to draw a blood sample to check her blood sugar level.

(0:14)

CGs:  
Susan Watson  
Chelsea's Mother

What we do in the morning is we get up and test blood sugar and give her a shot and she has to eat breakfast immediately.  
(0:06)

(0:20)

This morning it's french toast on the menu and Chelsea helps prepare the meal. Her mother says it's very important for Chelsea to have 3 meals and 3 snacks every day, along with the insulin, to keep her blood sugar in balance. Even the syrup is sugar free. But if her blood sugar gets too low, Chelsea may get dizzy the way she did once before.

(0:44)

CGs: Susan Watson

That was the worst, the worst. She was fixin' to convulse and I didn't realize it until all of a sudden it hit be me like a ton of bricks and we poked her

finger and it was real low so we gave her some juice. (0:12)

(0:56)

When Chelsea visits her pediatrician at the Texas Tech Health Sciences Center, he records her weight and height and asks a lot of questions about what she's eating because her diet is so important.

(1:06)

CGs:  
Dr. Michael Bourgeois  
TTUHSC Pediatrician

So one of the big limitations is not so much what they can or can't eat, but the fact they've got to eat consistently the same amount of food from one day to the next. They can't afford to miss meals like most of us are used to doing. (0:13)

(1:19)

Because Chelsea has type 1, insulin dependent diabetes, her struggle to maintain a normal lifestyle will last as long as she lives. So getting the right advice about how to handle diabetes is something that can help a child like her from now on. From the Texas Tech Health Sciences Center, I'm Larry Elliott.

(1:37)

OUTCUE: "Larry Elliott:

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SCRIPT: Stem Cell Research  
DATE: February 1989  
Texas Tech Health Sciences Center

CONTACT: Preston Lewis  
(806) 743-2143  
REF: 7-2-15-89

AUDIO: Channel 1 -- Natural Sound  
Channel 2 -- Announcer

ANCHOR INTRO:

Researchers at Texas Tech's Health Sciences Center are involved in a project that may help unlock the secrets of leukemia and sickle cell anemia.

Using grant money from the National Cancer Institute, they're looking into the way special cells in the bone marrow play a role in certain diseases.

Larry Elliott explains the goal of the research.

LENGTH: 1:48

OUTCUE: "Larry Elliott"

SOUND ON TAPE:

(0:00)

The sophisticated computer pictures in this \$300,000 cell sorter help keep track of the workings of stem cells. These special cells in the bone marrow produce more than 2 million red blood cells every second. When there's a defect in the way they operate, which happens in leukemia or some genetic diseases, the damage is enormous.

(0:23)

CGs:  
Gary Van Zant, Ph.D.  
TTUHSC Researcher

VAN ZANT: In leukemia there's a fundamental defect that occurs at the stem cell level. And we're trying to understand what happens there. There's a loss in growth control, and there's a loss of differentiation of those stem cells into white cells. (0:17)

(0:40)

Texas Tech Health Sciences Center researcher Gary Van Zant and his co-workers use these laboratory mice in their genetic research. They transfer genes into the stem cells to see how these key cells produce red and white blood cells, how long they're

active and how they work. The long-term goal is to find out what goes wrong in a disease process like leukemia before it happens and to genetically engineer a solution before the person becomes critically ill.

(1:15)

CGs:  
Gary Van Zant

VAN ZANT: If we can anticipate defect in the progenitor or stem cell population, we can hopefully treat it through gene therapy before the person comes down with leukemia. (0:15)

(1:30)

Dr. Van Zant has worked on this research for nine years and the long-term goals may take many more years to reach. But this project is an example of how basic science is working to solve the mystery of diseases like leukemia. From the Texas Tech Health Sciences Center, I'm Larry Elliott.

(1:48)

OUTCUE: "Larry Elliott"

FLOOR TAG:

And Larry says some of the new therapies in leukemia treatment involve bone marrow

transplants. The research project you just saw is trying to find answers to some of the problems involved in transplanting bone marrow as a way to treat leukemia.

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SCRIPT: Blood Substitute  
DATE: February 1989  
Texas Tech Health Sciences Center

CONTACT: Preston Lewis  
(806) 743-2143  
REF: 8-2-15-89

AUDIO: Channel 1 -- Natural Sound  
Channel 2 -- Announcer

ANCHOR INTRO:

Researchers at the Texas Tech Health Sciences Center are working on a substitute for human blood that would allow blood transfusions with no risk of AIDS or hepatitis.

The blood substitute has been tested on a variety of animals with good results. And if all goes well, it could be tested on human subjects sometime in the future.

Larry Elliott explains how this laboratory product could help save lives.

LENGTH: 1:30

OUTCUE: "Larry Elliott"

SOUND ON TAPE:

(0:00)

Dr. Mario Feola's work has shown that the hemoglobin found in the blood of cattle can carry more oxygen than the hemoglobin of humans. So a substitute based on the blood of cattle could solve several problems in human blood transfusions.

(0:15)

CGs:  
Dr. Mario Feola  
TTUHSC Researcher

FEOLA: There are some people with blood types that are uncommon, so when they come into a hospital, they may not find the blood they need. This hemoglobin could be given indiscriminately to everyone.  
(0:14)

(0:29)

CGs:  
Uses for Blood Substitute:  
Rare blood types  
Severe blood loss  
Where no blood banks exist  
Animal blood banks  
Donated organs

Along with its use as a replacement for rare blood types, a blood substitute could also be used in medical emergencies involving severe blood loss, in third world countries where no blood banks exist, as a blood replacement for valuable animals like race horses or prize bulls and to keep donated organs alive longer. Experiments in animals

have shown it works well as a  
blood replacement.

(0:58)

CGs:  
Mario Feola

FEOLA: We have given to a Dr.  
group of monkeys hemoglobin  
transfusions 6 times at monthly  
intervals and they are still  
perfectly fine, active and we  
have not seen any ill effects.  
(0:16)

(1:14)

Right now Dr. Feola and his co-  
workers are performing  
additional tests for the U.S.  
Food and Drug Administration.  
And they'll ask permission for  
additional trials of the blood  
substitute in humans at a later  
date. From the Texas Tech  
Health Sciences Center, I'm  
Larry Elliott.

(1:30)

OUTCUE: "Larry Elliott"

FLOOR TAG:

And Larry says because the  
hemoglobin used in this process  
is a very purified product of  
the blood of cattle, it  
eliminates the risk of AIDS,  
hepatitis or other blood borne  
diseases in a transfusion.

This project has just received  
an additional half million  
dollars in funding for  
continued research.

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SCRIPT: Family Practitioners  
DATE: February 1989  
Texas Tech Health Sciences Center

CONTACT: Preston Lewis  
(806) 743-2143  
REF: 9-2-15-89

AUDIO: Channel 1 -- Natural Sound  
Channel 2 -- Announcer

ANCHOR INTRO:

We've been hearing a lot lately about the problems in rural hospitals, especially here in Texas, where 19 hospitals closed last year.

And for a lot of small towns there's also the problem of attracting young doctors to replace an aging population of rural physicians.

Larry Elliott shows us what the Texas Tech Health Sciences Center is doing to help with the doctor shortage.

LENGTH: 1:27

OUTCUE: "Larry Elliott"

SOUND ON TAPE:

(0:00)

Each year about 100 young doctors graduate from the Texas Tech School of Medicine and go off to residency programs. But how many of them settle down in small towns where doctors are in short supply?

(0:20)

CGs:

Dr. Ted Kantner

TTUHSC Family Practice Dept.

KANTNER: One-half of our grads who remain in the state of Texas are in West Texas. Now, granted, many of those are in practice in large communities such as Lubbock, Odessa, El Paso, Amarillo, but those communities had a shortage of family physicians as well and in fact still do. (0:18)

(0:38)

Some surveys show a shortage of family practice physicians lasting well past the year 2000. When these doctors stay in West Texas, they're helping serve an area that has traditionally had fewer doctors than the national average. And some family practice specialists are settling in smaller towns where basic medical care is a top priority.

(1:00)

CGs:  
Ted Kantner

KANTNER: Approximately one-Dr.  
third of our graduates are in  
practice in towns of less than  
25,000 population and  
approximately 20% of our  
graduates practice in towns  
under 10,000 population.  
(0:14)

(1:14)

And every family practice  
physician who stays in west  
Texas is a valuable health care  
resource for many years to  
come. From the Texas Tech  
Health Sciences Center, I'm  
Larry Elliott.

(1:27)

OUTCUE: "Larry Elliott"

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For Immediate Release  
Ref: 10-2-15-89  
Contact: Margaret Simon

LUBBOCK -- Top Texas Tech administrators will give parents a glimpse into the university's future at the Mid-Winter Meeting of Dads and Moms Association on Saturday, Feb. 18, in the University Center.

A panel discussion at 9 am in the Senate Room will feature Elizabeth G. Haley, President of Texas Tech University and Health Sciences Center, discussing the current and future challenges facing Texas Tech. She will be joined on the panel by Robert Ewalt, Vice President for Student Affairs, who will discuss the university's new admission standards, financial aid and a variety of student services. Shayne Woodard, president of the Student Association, and of the Dads and Moms Association, J.Q. Warnick, Jr., past-president will also participate.

A coffee following the panel discussion will honor student scholarship winners. It will be followed by the Dads and Moms Association business meeting.

The group's luncheon, beginning at 11:50 am. in the ballroom, will feature an address on current research at Texas Tech by Robert Sweazy, vice provost for research.

Also highlighting the luncheon program will be the presentation of the group's faculty awards, including the Barnie E. Rushing, Jr. Faculty Distinguished Research Award; the Hemphill-Wells New Professor-Excellence in Teaching Award; and the Faculty Service Award. One student from each of the university's colleges will also be honored for excellence in academics and public service.

Tickets for the luncheon are priced at \$7.50 per person. Reservations may be made by calling the Dads and Moms Association office at 742-3630.

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FOR IMMEDIATE RELEASE  
REF: 11-2-15-89  
CONTACT: Chris Patterson

LUBBOCK -- The Texas Tech University Library will host its sixth annual exhibit of books written by faculty and staff members. Books published in the 1988 calendar year will be displayed in the Croslin Room of the Library April 7 through May 12.

The exhibit recognizes Texas Tech authors as part of the Library's observance of National Library Week, April 9-15.

Authors who exhibit books will be honored with a reception from 3:30-5 p.m. Wednesday (April 19) in the Croslin Room of the Library. Donald Haragan, executive vice president and provost of the university, will present certificates of appreciation to all participants. The reception is open to all faculty, staff and students of Texas Tech.

Faculty and staff who want to exhibit their book are asked to leave a copy, on loan, in the University Library Director's office (Room M132) between 8 a.m. and 5 p.m., Monday through Friday, before April 6. A typed biographical sketch on a white, unlined 3- by 5-inch card should accompany the item for display. Information should include at least the author's name, department and academic rank or title. A photograph of the author also should be included.

For more information, contact Connie Hines, assistant director of Libraries for development, at 742-2261.

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CALENDAR REFERENCE FEB. 17-24  
REF: 12-2-15-89  
CONTACT: News and Publications

Here is a listing of events this week at Texas Tech. These are listed to let you know events you might want to cover, mention or use as a reminder of releases already received. If you need more information, call News and Publications at 742-2136.

- Feb. 17** American College Theater Festival (ACTF)  
University Theater through Feb. 21  
(release ref: 13-2-15-89, 14-2-16-89)
- Feb. 18** Faculty recital, Robert Walzel, clarinet  
8:15 p.m., Hemmle Recital Hall
- Dads and Moms Association Mid-Winter Meeting  
9 a.m., University Center Senate Room  
(release ref: 10-2-15-89)
- Feb. 19** Irene Ryan Acting Finals of ACTF  
8 p.m., University Theater  
(release ref: 14-2-16-89)
- Feb. 20** "Love's Labour's Lost," The Acting Company  
8:15 p.m., University Center Allen Theater
- Feb. 21** 18th century seminar, West Texas Museum Association  
11 a.m.-noon, Texas Tech Museum, Kline Room
- "The Frontier in Mexican History" exhibit/lecture  
7:30 p.m., Library, Special Collections Room  
(release ref: 3-2-13-89)
- Parkinson's Disease video conference  
2-4 p.m., Health Sciences Center Room 4A100  
(release ref: 3-2-13-89)
- Trumpet recital, Jimmie Exline and Alan Finney  
7 p.m., Hemmle Recital Hall
- Feb. 23** "The Newton Nobody Knows: Chemistry, Alchemy and Religion" lecture, Betty Jo Teeter Dobbs of Northwestern University historian of science  
8 p.m., Library, Special Collections Room  
(release will be mailed)

-more-

CALENDAR/Page 2

**Feb. 24**

University Day  
(release will be mailed)

GTE Endowment press conference  
1:30 p.m., Lubbock Club  
(release will be mailed)

Printmaking exhibit, undergraduate Victor Tello  
Art Building, Hall Gallery, through March 2

"The Architecture Skin" lecture,  
John L. Medina, University of Miami  
5 p.m., Business Administration Room 358

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FOR IMMEDIATE RELEASE  
REF: 13-2-15-89  
CONTACT: Kippie Hopper

LUBBOCK -- Theater students from the southwest will compete this week (Feb. 17-21) in acting, scene design, costume design and dramatic criticism for a chance to show their dramatic efforts at the Kennedy Center in Washington, D.C.

The largest regional competition of the American College Theater Festival will begin Friday at Texas Tech University and will feature eight state award-winning plays produced at universities in Texas, New Mexico, Oklahoma, Arkansas and Louisiana. Selected from 92 performances, the Region VI plays will be presented at the Texas Tech University Theater.

"Spring Awakening," a play that tells the story of the developing sexual awareness of adolescents, will be performed at 8 p.m. Friday (Feb. 17) by theater students from Texas Tech.

Louisiana Tech University will present "The Time of Your Life," set in 1939 on the docks of San Francisco, at 1 p.m. Saturday (Feb. 18). Incarnate Word College will perform "On the Razzle" at 8 p.m. Saturday. The play is a humorous rendition of the 19th century classic that inspired "Hello Dolly" and "The Matchmaker."

Tarrant County Junior College at 1 p.m. Sunday (Feb. 19) will present "The Freedom of the City," a play that revolves around three Londonberry citizens who seek refuge during a protest march set in 1970 in Northern Ireland.

"Streamers," a Vietnam-era drama, will be performed by Northeast Oklahoma State University at 1 p.m. Monday (Feb. 20). Arkansas Tech University will present at 8 p.m. Monday "Present Laughter," which features an actor as its main character.

A play that centers upon a group of Appalachian people, "Holy Ghosts," will be performed at 1 p.m. Tuesday (Feb. 21) by Texas Wesleyan University. "Fool For Love," which explores two estranged lovers' attitudes toward love, fantasy and reality, will be presented at 8 p.m. Tuesday by Louisiana State University.

MEDIA ADVISORY  
REF: 14-2-16-89  
CONTACT: Kippie Hopper

### THEATER STUDENTS COMPETE FOR NATIONAL CONTESTS

The regional competition of the American College Theater Festival begins Friday (today) at Texas Tech University. Eight state award-winning plays produced at universities in the southwest, Region VI, will be performed Friday through Tuesday at the University Theater.

One of 13 regions, Region VI is the largest ACTF region in the United States and represents Texas, New Mexico, Oklahoma, Arkansas and Louisiana. From 92 plays presented in the southwestern states, eight were selected to perform during regional competitions. Representatives of the Kennedy Center in Washington, D.C., will choose one of the plays from the regional festival to be produced at the national ACTF competition in mid-April at the Kennedy Center.

The opening ceremony begins at 7:45 p.m. Friday in the University Theater. "Spring Awakening," Texas Tech's entry in the competition, will be performed at 8 p.m.

Louisiana Tech University will present "The Time of Your Life" at 1 p.m. Saturday, and Incarnate Word College will perform "On the Razzle" at 8 p.m. Saturday. "The Freedom of the City" will be performed by Tarrant County Junior College at 1 p.m. Sunday.

Northeast Oklahoma State University will deliver "Streamers" at 1 p.m. Monday, and "Present Laughter" will be performed at 8 p.m. Monday by Arkansas Tech University.

At 1 p.m. Tuesday, "Holy Ghosts" will be performed by Texas Wesleyan University, and the final presentation, "Fool For Love," will be performed at 8 p.m. Tuesday by Louisiana State University.

More than 200 acting students will compete for the Irene Ryan acting awards scholarship. The late Ryan played "Granny" on "Beverly Hillbillies," and before her death established a scholarship fund for young actors and actresses. The regional winner will receive a \$750 scholarship and a chance to compete in Washington, D.C., for a \$4,000 scholarship. Each regional winner will be seen by professional producers who often offer acting contracts. The Irene Ryan regional finals are scheduled for 8 p.m. Sunday in the University Theater.

-more-

ACTF ADVISORY/PAGE 2

Students who have designed sceneries and costumes will display their creations beginning at 9 a.m. Saturday in the University Center Coronado Room. Regional designers will compete for the opportunity to exhibit their work at the Kennedy Center. The national winner earns an apprenticeship at a scene design studio. Fifteen students from the southwest will study drama criticism with Jim Montgomery, the fine arts editor of the Shreveport Times, and will offer their perspective of the plays they observe. The best critiques will compete in the national competition in Washington, D.C.

A series of workshops, offered Friday through Tuesday in the University Center, will cover such topics as musical theater, dancing for actors, camera acting, critiquing drama, movement, imagination, designing/directing, combat, acting and play reading. The workshops are open to the public. Schedules of workshops can be obtained from the University Theater.

The awards ceremony for the Region VI ACTF competition will begin at 10 p.m. Tuesday in the University Theater.

For more information about plays, competitions or workshops, contact Patti Perkins or Richard Weaver, chairperson of the department of theater arts, at 742-3601.

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FOR MORE INFORMATION  
REF: 15-2-17-89  
CONTACT: Jennifer LeNoir

LUBBOCK - Texas Tech University's College of Engineering will host the Society of Automotive Engineers (SAE) Walking Machine Decathlon April 20-22.

The national, interdisciplinary competition is in its third year of existence. Previously, the decathlon was held at Colorado State University and at the University of Maryland.

Student teams compete by designing, building and testing a walking machine with a self-contained power source. Decathlon rules define a walking machine as a "mobile, terrain adaptive system with eight or less articulated mechanisms (arms and or legs), which can perform defined tasks in static or dynamic environments."

Machines might perform tasks as varied as hauling a gallon of water to pushing an official NHL hockey puck.

Engineers attempt to design walking machines so that they achieve 10 levels of performance, beginning at the most elementary level. The machines may advance through subsequent levels after successfully completing specified tasks.

Walking machines - designed to cover uneven or harsh terrain on moving legs, not wheels - could find future use in exploring planets, handling radioactive materials, salvaging undersea wreckage and supporting battlefield operations.

Jaime F. Cardenas-Garcia, an assistant professor at Texas Tech, originated the decathlon two years ago and is organizing this year's event under SAE sponsorship. He said the decathlon stresses a team approach while providing students with important hands-on experience.

**EDITOR'S NOTE: For more information, contact Jaime F. Cardenas-Garcia, mechanical engineering assistant professor, at (806) 742-2261.)**

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FOR RELEASE FEB. 19

REF: 17-2-17-89

CONTACT: Steve Kauffman

LUBBOCK -- Three Texas Tech University professors were recognized for research, teaching and leadership merits at a Saturday luncheon during the Dads and Moms Association mid-winter meeting.

Robert J. Baker, Horn professor of biological sciences and museum science, received the Barnie E. Rushing Jr. Faculty Research Award; Peter I. Barta, assistant professor of Germanic and Slavic languages received the Hemphill-Wells New Professor-Excellence in Teaching Award; and Margarette L. Harden, associate professor of food and nutrition, was given the Faculty Leadership/Service Award.

The honorees were selected from a slate of nominees with recommendation letters from the university's colleges, schools and departments. Faculty committees named the top three nominees in each award category then forwarded the lists to the Dads and Moms Association for final selection.

"These are top faculty members," said Dudley E. Faver, executive director of the association. "Judging from the high quality of all the nominees, this university is fortunate to have a large number of extremely qualified people."

Seven students -- one representing each college in the university -- also were recognized at the luncheon for academic excellence and campus and community involvement. Given Academic Citizenship Awards were: Jamey Laney of Hale Center, College of Agricultural Sciences; Charles "Britt" Britton of Lubbock, College of Arts and Sciences; David Hart of Austin, College of Architecture; Kyle Gayler of Lubbock, College of Business Administration; Melba Ramirez of Brownsville, College of Education; Espiridion Limon of Lubbock, College of Engineering; and Rebekah Jamison of Hobbs, N.M., College of Home Economics.

A faculty member since 1967, Baker also is director of the Natural Science Research Laboratory at Texas Tech. He was named a top researcher in the College of Arts and Sciences in 1986. His research ranging from evolution to bats includes growing cells in cultures and studying chromosomes.

Baker holds a doctorate from the University of Arizona, a master's degree from Oklahoma State University and a bachelor's degree from Arkansas A&M College. He was named a Horn professor, the university's highest distinction, in 1979.

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Barta came to Texas Tech in 1986. He currently serves as chairperson of the interdepartmental committee overseeing the establishment of a Russian Language and Area Studies Program on campus. In 1987, Barta led 50 participants in the university's first study tour of the Soviet Union.

Barta earned doctorate and master's degrees from the University of Illinois and a bachelor's degree from L. Eotvos University in Budapest Hungary.

A Texas Tech alumnus, Harden returned to the university as a faculty member in 1967. She is serving as first vice president of the Texas Dietetic Association and has held offices in the Texas State Nutrition Council, American Dietetic Association, the national Society for Nutrition Education and the Southern Association of Agricultural Scientists. She received Texas Tech's 1988 President's Award for Excellence in Teaching.

Harden holds doctorate, master's and bachelor's degrees from Texas Tech.

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CONTACT: Gwen Pallissard  
or Kippie Hopper

LUBBOCK -- The Texas Tech University Office of International Programs and the College of Home Economics are sponsoring a spring University Study Tour Program to London and Paris May 14-27.

The program is available to all students, alumni, faculty, parents and the general public. The program is the first overseas study tour offered by the College of Home Economics that encompasses four different components: fashion merchandising and design; food and nutrition; interior design; and hotel and restaurant management.

Program participants will attend lectures and will visit sites in the cities of London and Paris. Academic credit is available to participants.

The cost of the program, including airfare from Dallas or Houston, is \$1,895. The deadline for enrollment in the program is March 1.

For more information, contact Pam Cummings, assistant professor in the College of Home Economics, at (806) 742-3068 or Linda McGowan, overseas opportunities counselor, at (806) 742-3667.

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HEALTH TIPSHEET  
from  
TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER  
February 17, 1989

SAFER AND SAFER -- That describes the use of anesthesia over the last five years. Because of new techniques and monitoring devices, the use of anesthesia is becoming less hazardous for adults and children. These improved procedures, particularly in pediatric anesthesiology, will be a focus of the TTUHSC refresher course in anesthesiology Saturday through Sunday (Feb. 25-26). Robert E. Creighton, M.D., anesthesiologist-in-chief at Toronto's Hospital for Sick Children, the world's largest children's hospital, and Charles N. Lockhart, M.D., of the anesthesiology department at Denver Children's Hospital, will be featured speakers on pediatric anesthesiology. The course will run all day Feb. 25 and until noon Feb. 26 in Lubbock Memorial Civic Center. The course is jointly sponsored by TTUHSC and District 1 of the Texas Society of Anesthesiologists, Smith Asbill, M.D., director. For details on the course or to arrange interviews, contact course director Eason Cockings, M.D., in the TTUHSC anesthesiology department at (806) 743-2920.

BETTER SAFE THAN SORRY -- The Food and Drug Administration follows a meticulous process before approving new drugs for use in this country. The slowness of this process, which can average from seven to 10 years, has come under criticism in recent months for keeping potential drugs beyond the reach of many desperately ill patients. The problem is one of balance, says TTUHSC Professor John B. Lombardini, Ph.D., of the pharmacology department. The FDA must balance the need for a quicker turnaround on drug approvals with the certainty that proposed drugs are indeed safe and are without detrimental long-term side effects. For details on the FDA three-phase approval process and on the countervailing demands being placed on the agency for expediency and safety, contact Lombardini at (806) 743-2425.

For assistance in covering these or other stories, contact TTUHSC news manager Preston Lewis at (806) 743-2143. Photographs can be arranged upon request.

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