

Stories  
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February  
 23-27,  
 1987

DATE	Stories and Cutlines	Locals (75)	Reg. Dailies (25)	Reg. Weeklies (37)	50 M's (16)	Reg. Radio (26)	X-List (15)	Adj. Counties	Hometowners	PSA's	Ag list	Ag boxes (16)	MISC. (#)	CONTACT	REMARKS
1-2-23-87	uniday	115	✓	✓			✓							kh	
2-2-23-87	Tiday	90	✓				✓							pl	
3-2-23-87	krenck	157	✓	✓	✓									kh	✓ Bacon <sup>41</sup>
4-2-23-87	krencut											15		kh	
5-2-24-87	mcweek	75	✓											pl	
6-2-24-87	collins	90	✓				✓							ht	
7-2-24-87	hall	180	✓	✓	✓									kh	✓ Bacon <sup>64</sup>
8-2-25-87	Clements												5	pl	
9-2-25-87	century	100	✓										25	pl	
10-2-25-87	aren	90	✓				✓							ht	
11-2-25-87	lugcow	178	✓	✓	✓					30	✓			slp	<sup>12</sup> freelance
12-2-25-87	fuentes	100	✓				✓						2	kh	
13-2-25-87	Cunning	29					✓							pl	
14-2-25-87	rose	90	✓				✓							ht	
15-2-25-87	pain	90	✓				✓							ht	
16-2-25-87	rider		✓											pl	
17-2-25-87	pain	269	✓	✓	✓		✓							ht	✓ <sup>29</sup> medical / <sup>12</sup> freelance / Bacon's <sup>67</sup> science <sup>30</sup>
18-2-25-87	artcut											6		kh	
19-2-25-87	Press-Cap													P2	caption



CONTACT: K. Hopper

1-2-23-87

LUBBOCK--Students who plan to attend college can have a first-hand look at Texas Tech University March 6 during University Day.

Registration for the day will begin at 8 a.m. in the east foyer of the University Center (UC). A general assembly is set for 9 a.m. in the UC Allen Theater.

Participants can learn about Texas Tech academic requirements, potential majors and career choices during two advisement sessions at 9:45 and 10:45 a.m.

The visitors will be entertained during lunch by several Texas Tech student groups, representing the Raiderettes, Theatre Arts Department, Fashion Board, Army ROTC and the percussion section of the Goin' Band of Raiderland.

Bus tours of the campus and the university's seven undergraduate colleges and more than 50 academic departments will depart every 15 minutes between 11:30 a.m. and 2 p.m. from the University Center main entrance.

Visitors can learn about student organizations and academic units at information booths in the UC Ballroom and Courtyard from 11:30 a.m. to 3 p.m.

Events will conclude with a swim/dance party from 8:30-10:30 p.m. at the Texas Tech Aquatic Center.

For information about University Day, contact the Office of New Student Relations, Room 154, West Hall, Texas Tech University, Lubbock, Texas 79409, (806) 742-1480.

# Texas Tech News

**AFTER HOURS CALL:**

Joe Sanders, Director, (806) 742-2235  
Preston Lewis, Manager, News Bureau, (806) 745-1718  
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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: Preston Lewis

2-2-23-87

LUBBOCK--A behind-the-scenes look at the activities which make a university more than just a place where classes are held will be offered to the public Friday (Feb. 27) during Research Day at Texas Tech University and Texas Tech University Health Sciences Center.

The Research Day open house is scheduled 3-9 p.m. on campus and visitors are welcome to take tours of the university's various colleges and schools and of the health sciences center.

Texas Tech is one of the four major comprehensive research institutions supported by the State of Texas. Tours and activities scheduled on Research Day will highlight the variety of research and educational endeavors which extend beyond the classroom.

Research Day visitors may pick up schedules at the traffic booths at all campus entrances and then go to the colleges of their choice for special tours. Gathering places for the various colleges are:

College of Agricultural Sciences--Guests will be welcomed in the lobby of the Goddard Building for a brief orientation about the college. Then they will be escorted by Agri-Techsans to areas of interest.

College of Architecture--Visitors should gather in the Gallery, Room 5, on the courtyard level of the Architecture Building. They will be directed to various displays throughout the building.

College of Business Administration--Representatives of the college will meet guests in the Business Administration Building Lobby and then conduct tours of various areas of interest.

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College of Arts and Sciences--The Arts and Sciences Student Ambassadors will serve refreshments and answer questions in the rotunda of Holden Hall. A schedule of the college's open house activities will be available. Buses will make rounds to the Science Quadrangle, Men's Gymnasium, University Center, University Theatre, Business Administration Building and The Museum so visitors can tour various departments.

College of Education--Facility tours will begin in Room 152 of the Administration/Education Building where visitors will be greeted.

College of Engineering--Visitors to the College of Engineering and the Textile Research Center should meet in Room 100 of Engineering Center. From there, they will be escorted to departments of their choice.

Health Sciences Center--Guests should enter at the North Main Entrance of the Health Sciences Center Building. They will be greeted there and taken to the areas of their choice.

College of Home Economics--Persons desiring to participate in a tour of the college should meet in the lobby area outside Room 169 in the Food Science Tower.

School of Law--Visitors will be welcomed at the front door of the Law School Building and escorted to specific activities.

Library--After meeting in the Croslin Room of the Library, visitors will be given directions to specific collections.

Southwest Collection--Staff will meet guests in the Main Foyer of the Mathematics Building and will show them specific collections.

Continuing Education--Guests should go to Continuing Education/McClellan Hall for tours of facilities in the Division of Continuing Education.

CONTACT: K. Hopper

3-2-23-87

LUBBOCK--The environment in which art is produced may have hidden dangers: Solvents used to dissolve paints and to thin inks can create a toxic atmosphere.

The solution, says a Texas Tech University art professor, is in changing the materials used in art.

Lynwood Kreneck, who works in printmaking, is researching the properties of water-based screen print inks to create a less toxic environment for artists and students.

"It is as important for a person in the arts to make labs safer as it is for chemists to make their labs safer," Kreneck said.

Traditionally screen printers used turpentine, mineral spirits or lacquer thinner to clean inks and screens. However, the solvents -- which are toxic -- require a ventilation system and safety measures, such as users wearing masks and gloves, Kreneck said.

Kreneck is consulting with a manufacturer of water-based acrylic inks to improve the working characteristics of the inks.

"The thought that we could have a relatively toxic free printmaking lab has made me pursue water-based inks," Kreneck said. "I began working with manufacturers and chemists across the nation making suggestions about how the inks ought to act in order to obtain the same results as oil-based inks."

Kreneck was given a developmental leave from Texas Tech and spent the fall semester as a visiting artist in residence at Ohio State University in Columbus, Ohio.

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Several universities, including the University of Delaware and the University of North Dakota, have invited Kreneck to demonstrate his findings and procedures. Already he has lectured at Ball State University and at the University of Kentucky at Lexington.

"There is an interest and a need for universities to switch over to water-based screenprinting. If the research continues, in a decade it will be hard for artists to be employed on a college level if they don't know how to use water-based screenprinting inks," Kreneck said.

Kreneck will write a first-person narrative of how to make a water-based screen print for the 1988 edition of "The Complete Printmaker," considered the standard text in the printmaking world.

More people will be interested in screenprinting when safer materials and techniques are available. Ink manufacturers increasingly are interested in finding alternatives to toxic materials, he said.

"There is a definite trade-off with water-based inks. It takes longer to do a print with water-based inks -- the drying times are longer -- but we're working in a safer environment," he said.

Screenprinting is a sophisticated form of stencil printing. The process is similar to the familiar stencil process in which an image is created by spraying paint through a cardboard pattern. In screenprinting, however, material is stretched across a frame. The material can be silk, from which the name "silkscreen" is derived, although other fabrics are used at Texas Tech, Kreneck said. A screen print artist uses the fabric to hold the pattern, or stencil material, in place. A squeegee is used to squeeze water-based acrylic ink through the fabric and onto the paper beneath the fabric.

"The techniques have been lacking for using water-based inks. The problem has been a lack of an adequate form of water-based stencil that will satisfy the artists' standard of quality and a water-based ink that won't warp the paper. I am looking for a way to use water-based inks that make it possible for me to do the same quality of artwork which I did with oil-based inks," Kreneck said.

Kreneck's art can be seen at the Charles Adams Gallery in Lubbock. His work also is being featured in a show at the Licking County Art Museum in Ohio.

His works have been in more than 100 national and international competitive and invitational shows and belong to more than 40 permanent collections throughout the nation. He is a juried member of the Los Angeles Printmaking Society, Society of American Graphic Artists and Boston Printmakers.

Kreneck was named a 1983 outstanding researcher in the College of Arts and Sciences. His research and creative productivity in fine art limited-edition screen prints has gained significant attention during the past eight years.

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4-2-23-87

SCREEN PRINT PROCESS--Texas Tech University art Professor Lynwood Kreneck demonstrates the steps in making a screen print. Kreneck is researching the properties of water-based acrylic screen print inks to create a less toxic working environment for artists and students. He is consulting with a manufacturer of the inks and chemists to develop a quality product that will not require toxic solvents for dissolving and cleaning. (TECH PHOTO)

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CONTACT: Preston Lewis

5-2-24-87

(MEDIA ADVISORY--The annual Mass Communications Hall of Fame induction, this year honoring Texas newspaper publisher Frank W. Mayborn, is scheduled for 11:45 a.m. Thursday (Feb. 26) in the University Center Ballroom. Due to a health problem, Mayborn will be unable to attend. He will be represented at the ceremony by Frank M. Burke, a Mayborn business associate.

The 1987 Thomas Jefferson Award will be presented to Wisconsin Supreme Court Justice Shirley S. Abrahamson at a banquet beginning at 7 p.m. Friday (Feb. 27) in the University Center Ballroom. To help you meet your deadlines, a photo opportunity has been scheduled for 6:45 p.m. in the UC Ballroom. John Barger, president of the Texas Association of Broadcasters, will make the presentation to Abrahamson.

For information on these or other Mass Communications Week activities, contact Preston Lewis at 742-2136.)

CONTACT: Beverly Taylor

6-2-24-87

LUBBOCK--The growth of England from a medieval kingdom in the early 1500s to one of the preeminent nations of Europe by 1600 will be the topic of a lecture at 11 a.m. Tuesday (March 3) at The Museum of Texas Tech University.

Texas Tech history Professor Jacquelin Collins will set the stage for the remainder of Tuesday art seminars sponsored by the Women's Council of the West Texas Museum Association (WTMA) by giving an overview of Renaissance England.

Registration and coffee begin at 10:30 a.m. Registration is \$3.

"England began the 16th century as a rather backward kind of nation, run down and mismanaged," Dr. Collins said. "The country ended the century under Elizabeth I's leadership as one of the great powers of Europe -- ready to make her claim on the modern world."

Collins will discuss the Tudor monarchs, including Henry VII, Henry VIII, Edward VI, Mary and Elizabeth, and how their decisions affected England's development.

"The Tudors were very interesting people and they affected the way England developed ever after," he said. "For example, Henry VIII's break with Rome over his divorce from his Spanish princess wife marked the beginning of the separate Church of England. Elizabeth presided over England's eventual confrontation with Spain and took her victory in the Spanish Armada in 1588."

The lecture is part of "Art through the Ages," the 26th year of art seminars held by the Women's Council. This spring the seminar is a study of the Renaissance in Spain and England.

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

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CONTACT: K. Hopper

7-2-24-87

LUBBOCK--What happens in the 1988 Olympics may determine the fate of the modern games and of internationalism, the concept at the very soul of the Olympic Movement.

Professor Elizabeth R. Hall, of the Texas Tech University health, physical education and recreation faculty, said internationalism is a political theory that aims at breaking down the artificial barriers which separate nations. Internationalism is one of four main ideas espoused by Pierre de Coubertin, the founder of the Modern Olympic Games.

Dr. Hall, a sport sociologist and recent delegate to the International Olympic Academy in Greece which examined how to incorporate the Olympic ideals into education, said the Olympic Movement is not lending itself to internationalism in the Olympic Games.

"Certain activities, such as raising the flags and playing the national anthems, perpetuate nationalistic rituals in the Olympic Games. If these activities persist, then the Olympic Games most likely will not fulfill the ideals of internationalism," Hall said.

De Coubertin, a philosopher, believed the Olympic Games should focus on amateurism, physical development and social values development and that internationalism could be achieved through sports participation.

"The idea is that sport participation -- through exposure to other teams and cultures and through sharing of common values -- can make people feel they are citizens of the world, rather than citizens of any particular country," Hall said.

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"Pierre de Coubertin thought this sharing of values would transcend any political and cultural differences among the people," she said.

Since 1983 Hall has been affiliated with the United States Olympic Committee's Education Council, which yearly sponsors the U.S. Olympic Academy. Hall in 1984 was a delegate and speaker at the International Olympic Academy in the Republic of China (Taiwan). She also was co-organizer of the 1983 U.S. Olympic Academy which was at Texas Tech.

The job of the International Olympic Committee (IOC) is to keep the Olympic Movement values before the people, primarily through the education system.

"The values are human values. The Education Council publishes books that give school children an opportunity to understand the Olympic Games on another level besides just who wins and who loses," Hall said.

Hall said the IOC is retreating from the Olympic Movement ideals to maintain control of the games. What happens in the 1988 Olympic Games -- awarded to Seoul, South Korea -- will dictate the future of the event.

"The Olympic Games are awarded to a city, not to a country. The IOC works with representatives of cities, like a chamber of commerce. That is done to keep down the international spectacles that began appearing with television coverage of the games," Hall said.

The North Korean government has protested the location of the games and the IOC has been bargaining with that country's officials.

"The IOC, by dealing with a country's government, is going against the philosophy of only dealing with a city's government," she said.

"If the IOC changes its course now by negotiating with a national government, it will affect how the games are defined, how the games work and how the games are awarded to a location," she said.

The Olympic Games have become an international media event, and that has caused a problem, Hall said.

"The Olympic Games have become a forum for anyone from anywhere to make a statement about the domestic and international politics of their own country. That is not in keeping with the spirit of internationalism," she said.

Another problem is the way people attach value to sport, she said.

"If your team wins, then that has implications for the institution that sponsors or organizes the team," Hall said. "It even extends into church-league teams. We attach values to the institution that sponsors the team. It's not just an American phenomenon. The Olympic Games are a place for everyone's nationalism to run rampant."

The purpose of the Olympic Games -- offering an opportunity for athletes to pursue their own excellence -- has been overshadowed by the political controversies and conflicts, Hall said.

"The interesting phenomenon is that athletes seem to have a different perspective," Hall said. "Athletes are there to perform the best that they can. Within the Olympic Village itself, there is very little nationalism, but once the press and the public become involved, the spirit of the games gets lost."

Metal counts, for instance, are unofficial because the International Olympic Committee does not keep a record of how many metals each country wins, Hall said.

"Metal counts originated with the invention of the sports page by the U.S. press," Hall said. "It is an unknown whether the Olympic Games would have evolved differently without the press."

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**9-2-25-87**

CONTACT: Preston Lewis

LUBBOCK--Twenty-five Texas newspapers have been recognized by Texas Tech University for a century or more of public service to the citizens of the state.

The university, the Mass Communications Department and its Southwest Journalism Historical Center regularly honor those papers which have been publishing a hundred or more years.

Recognized Wednesday (Feb. 25) were the Rains County Leader, Garland News, Liberty Vindicator, Marshall News Messenger, Pecos Enterprise, Sealy News, Panhandle Herald, Bartlett Tribune-Progress, Beeville Bee-Picayune, Marfa Independent and Big Bend Sentinel, Glen Rose Reporter, Hondo Anvil Herald, Hood County News, Haskell Free Press, Itasca Item, Kaufman Herald, Naples Monitor, Eagle Pass News-Guide, Throckmorton Tribune, Cameron Herald, Panola Watchman, LaGrange Journal, Brady Standard, Bellville Times and Hico News-Review.

Texas Tech President Lauro F. Cavazos presented certificates to representatives of seven of those newspapers. In addition to receiving certificates, the century-old newspapers will have their names added to a permanent plaque in the Southwest Journalism Historical Center in the Mass Communications Department.

In making the presentation, Cavazos said, "The First Amendment of the Constitution recognizes the importance of the press in a free society. By recognizing these newspapers for a century of public service, we are not only honoring them for a job well done but also for the special role they play in helping citizens better fulfill their responsibilities in our democracy."

More than 75 newspapers have been recognized since the program began in 1981. Those attending the 1987 presentation included Betty Deaton of the Rains County Leader in Emory; Larry C. Jackson, publisher of the Pecos Enterprise; F.H. Ryan Jr., publisher of the Marfa Independent and Big Bend Sentinel; Lynn Brisendene of the Hood County News in Granbury; Don Comedy, publisher of the Haskell Free Press; Frank M. Luecke, editor and publisher of the Cameron Herald; and L.B. Smith, publisher of the Brady Standard.

Also at the luncheon presentation were members of the Texas Tech journalism faculty, including Dr. Bill Ross, who heads the Mass Communications Department; Dr. Harmon L. Morgan, director of the Southwest Journalism Historical Center; and Robert A. Rooker, director of the journalism division.

CONTACT: Beverly Taylor

10-2-25-87

LUBBOCK--Preparing for future challenges in rehabilitative health care will be the topic of a teleconference March 17 at the Texas Tech University Health Sciences Center (TTUHSC).

"Rehabilitation and Health Care: In Transition to the 90s" will air from 10:45 a.m. to 3 p.m. in TTUHSC, Room 4A100.

The teleconference will offer steps health care professionals and organizations can take now to remain competitive and effective in the 1990s and beyond. Administrators and executive officers of rehabilitation hospitals around the country will offer insights and advice.

The conference will cover diagnostic related groups (DRGs), alternative payment systems and health management organizations (HMOs). It is estimated that by 1990, 90 percent of the U.S. population will be enrolled in some form of HMO, a system in which health providers contract for medical care of certain groups, such as company employees.

The conference is produced by the American Rehabilitation Educational Network (AREN), a national communications link for rehabilitative health care professionals.

Registration is \$65 for non-AREN members and \$45 for AREN members. Groups of five or more from the same institution may receive discounts when registering together.

Registration deadline is March 9.

For more information or to register, contact the TTUHSC Library Teaching and Learning Center at (806) 743-2213.

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CONTACT: Sally Logue Post

11-2-25-87

LUBBOCK--Despite controversy over their use by athletes, anabolic agents are safe and profitable for cattle, according to a Texas Tech University animal scientist.

Anabolic agents, which have been used for more than 30 years by the cattle industry, are the most certain of several production techniques to improve weight gain, feed efficiency and lean meat production, Thornton Professor Rodney L. Preston said.

While the cattle industry has been using these compounds for decades, the way anabolic estrogens work is still not clear, Preston said. Their use has been dealt several setbacks over the years, the most recent of which is the banning of the use of anabolic agents by the European Economic Community.

One of the first blows dealt the use of anabolics was the substitution of steers for beef production rather than bulls.

"While bulls naturally produce anabolic agents that allow them to grow faster and produce more muscle than steers, there also are practical problems," Preston said. "Bulls are more aggressive and that can result in fights in the feedlot and in shipment that can result in dark-colored meat. Also, there is uncertainty about how tender the meat bulls produce will be."

The cattle industry successfully used diethylstilbestrol (DES) for many years, Preston said. DES restored the anabolic capability of steers.

"It was a blow when DES was banned for reasons unrelated to its use in cattle," Preston said.

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Preston maintains the concern that the use of anabolics in cattle will lead to adverse effects in humans is unfounded since the magnitude of dose used in cattle is so small and is almost completely eliminated by the steer. The 20 to 36 milligrams of estrogen implanted in a steer lasts about 100 days, he said.

"This is the same amount of estrogen produced in 13 hours by a pregnant woman, in 22 days by a normal cycling woman and in 265 days by an adult man," Preston said. "Considering steers eliminate more than 99.9 percent of the implanted estrogen, one wonders why there is any concern about the use of these anabolic agents in cattle."

With anabolic agents, Preston said, growth, feed efficiency nitrogen retention and lean meat production are all increased while carcass fat is decreased.

"Because growth hormone is increased in steers implanted with anabolic agents, it has been theorized that estrogens increase growth hormone which, perhaps in concert with insulin, increase the uptake of amino acids which increase muscle protein and increase lean meat production," Preston said.

While the growth-hormone theory is one of long standing, Preston said it is still a theory. Public safety concerns and this lack of understanding of how anabolic estrogens actually work make the need for research important. Once it is discovered how the anabolic estrogens work, attempts can be made to find non-hormonal agents that are as effective and will not cause public concern.

LUBBOCK--Works by Tina Fuentes, the newest faculty member in Texas Tech University's Art Department, will be exhibited through March 12 in the Fine Arts Gallery.

Fuentes will present a slide lecture at 6:30 p.m. March 2 in Room B-01 of the Art Building during the exhibit opening. A reception will follow.

The display will comprise 12 to 15 pieces that have been created during the past year.

"I deal in figures that are sometimes obliterated, sometimes diffused. I like my surfaces to have a nice texture. The figures become diminished or dissolved. There are elements of design, color, texture, form and space," Fuentes said.

Fuentes received both a bachelor's and a master's degree in fine arts from North Texas State University. She previously taught drawing, painting and design at the University of New Mexico and the University of Albuquerque.

Her work has been exhibited at galleries in New Mexico, Texas, Arizona, California and Tennessee. Her most recent showings have been in Santa Fe, Albuquerque, Taos, El Paso and San Diego.

The Fine Arts Gallery in the Art Building is open from 10:30 a.m. to 5 p.m. Monday through Friday.

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CONTACT: Preston Lewis

13-2-25-87

LUBBOCK--Texas Tech University English Professor Donald H. Cunningham has been elected an associate fellow of the Society for Technical Communication.

Dr. Cunningham will receive the award at the 34th International Technical Communication Conference May 11 in Denver.

A Texas Tech faculty member since 1983, Cunningham directs the English Department's technical communication program.

The Society for Technical Communication is the world's largest professional organization in the field of technical communication. Of its 11,000 members, only about 50 have been awarded associate fellow or fellow status.

CONTACT: Beverly Taylor

14-2-25-87

LUBBOCK--Reptiles and amphibians which live on the Llano Estacado will be the topic of a lecture at 7 p.m. March 5 at The Museum of Texas Tech University.

Texas Tech biology Professor Francis L. Rose will talk about snakes, turtles, frogs and salamanders in conjunction with "Prairies: A Natural History," an exhibit at The Museum through April 19.

Dr. Rose said the Llano Estacado is home for many kinds of reptiles and amphibians -- from rattlesnakes to box turtles. He will discuss how the species became located here and in what kinds of habitats they live.

He will also refute some of the folklore about snakes and discuss snake bite and treatment.

The prairies exhibit at The Museum explains the life cycle of the prairies through plant samples, mounted animals, photographs and a display of wild animals.

The final lecture in the series will be at 7 p.m. April 2. Patricia Davenport, president of the Llano Estacado Audubon Society, will present "Birds for All Seasons on the Llano Estacado."

CONTACT: Beverly Taylor

15-2-25-87

LUBBOCK--Pregnant women are being sought to participate in research aimed at predicting the onset of labor. The research is being conducted in the Texas Tech University Psychology Department's Due Date Lab.

The project involves measuring discomfort thresholds throughout pregnancy with the use of an automatic blood pressure cuff, said psychology Professor Rosemary Cogan, Due Date Lab director.

"We and other researchers have found that pregnant women experience a dramatic increase in pain tolerance two to three days before the onset of labor," said Dr. Cogan. "We're studying this phenomenon to try to predict when a woman will go into labor."

The technique involves inflation of the blood pressure cuff on the woman's non-dominant arm until the woman indicates the pressure is uncomfortable. Women are asked to come in several times during mid-pregnancy and then several times a week during the latter weeks of their pregnancies so that their normal thresholds can be charted to allow observation of the threshold increase.

Cogan said that most babies are born within a week -- either late or early -- of their predicted due date, but many women and their families would like to know a few days in advance that the birth will take place soon.

Women who take part in the study will have access to the lab's literature and all information collected on their pain thresholds.

Interested women can receive further information about the project by calling (806) 742-3737.

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CONTACT: Preston Lewis

16-2-25-87

(MEDIA ADVISORY--You are invited to cover the Transfer of Reins ceremony at 3:30 p.m. Wednesday (March 4) when the Texas Tech University Masked Rider for 1987-88 is announced. The transfer ceremony will take place on the north end of the Jones Stadium playing field, weather permitting, or in the Letterman's Lounge. Daniel Jenkins, the 1986-87 Masked Rider, will make his final ride around the stadium and then help his successor don the cape and mask as the university's 26th Masked Rider. For information, contact Judi Henry, who chairs the Masked Rider Committee, at 742-2192 or Preston Lewis of News and Publications at 742-2136.)

CONTACT: Beverly Taylor

17-2-25-87

LUBBOCK--In the days just before a pregnant woman delivers, nature administers her a big dose of analgesics to prepare her and the baby for the trauma of birth.

That the body is uniquely preparing itself for labor and delivery can provide needed reassurance for expectant women, but Texas Tech University psychology Professor Rosemary Cogan is expecting even more from the recent finding.

"This is a very reassuring phenomenon," Dr. Cogan said. "We worry about pregnant women and that is natural, but the body is really taking care of both mother and baby. This is part of the body's healthy readiness for having a baby and that can make pregnant women less anxious if they know about it."

Cogan, however, believes the rise in pain tolerance can have applications far beyond assuring pregnant women that their bodies are ready to deliver.

Cogan is studying the pain-blocking system in pregnant women to predict when a woman will go into labor and when the best time for delivery is when a cesarean section or induced labor is necessary.

Her research is being done in the Psychology Department's Due Date Lab with the use of an automated blood pressure cuff. The blood pressure cuff is placed on a woman's non-dominant arm and she is asked to indicate when the amount of pressure inflated into the cuff becomes "discomfort" to her.

By charting their discomfort thresholds a couple of times during mid-pregnancy and several times a week during the latter weeks of pregnancy, a woman's normal tolerance for discomfort is established.

In one experiment, 10 pregnant women had discomfort thresholds which averaged at 130 units of pressure 11 days before spontaneous vaginal births and 233 units of pressure the day before they had their children. Ten non-pregnant women, included in the study as a control group, did not experience increases in discomfort thresholds.

"The rise in discomfort thresholds in the pregnant women began about two to three days before the onset of labor," Cogan said. "Their threshold of pain almost doubled and that is very significant.

"It's not unimaginable that this could be used as a predictive device someday," she said. "Although most babies are born within a week -- either late or early -- of their predicted due date it would be helpful to know a few days in advance that it will definitely happen soon."

Cogan said she envisions the simple technique could be performed in clinics or even in shopping centers sometime in the future.

A.R. Gintzler pioneered work in pain tolerance, recording in rats abrupt increases in pain thresholds during the last days of gestation. Cogan and other researchers have found the same phenomenon in pregnant women.

The decreased sensitivity to pain is due to a rise in production of beta-endorphins, a morphine-like substance which reduces the brain's perception of pain.

The blood of pregnant women has been found to be high in beta-endorphins during labor and delivery and for a couple of days after delivery. Blood taken from the umbilical cord and amniotic fluid immediately after birth has been shown to have higher levels of beta-endorphins than does the blood of infants after they are a few days old, suggesting that infants experience less pain during birth than they otherwise would.

"This has been demonstrated in two species and I believe it is real," Cogan said. "I want to see more of it. We've also had one woman who had a spontaneous birth without the rise in discomfort threshold and I want to know why she didn't."

The research could also be important in preventing premature births and in planning the best time for some cesarean sections and induced labor, Cogan said.

"We don't know yet if this occurs before the start of premature labor, but it would be very important if it does," she said. "Premature labor is very hard to stop once it has begun and this could be a predictor which would allow preventive measures or at least preparations to be made."

When cesarean sections and induced labor are planned it might be best to wait until the body takes its own preparatory steps for birth, she said.

"It may be that the mother and the baby will be better off after the mother's body begins this change," Cogan said. "To determine that, we will compare cesarean section and induced labor babies based on whether they were born before or after the mother's pain threshold increased."

Cogan said that relaxation, social support and laughter have also been shown to reduce the amount of pain an individual perceives.

"We really don't know what triggers the onset of labor," Cogan said. "Many changes take place in the body and reduced pain sensitivity is one of them. Monitoring pain sensitivity can be important in a variety of ways and someday it may help us understand more about why labor begins when it does."

caption-----

18-2-25-87

ART EXHIBIT--Tina Fuentes, professor of art, stands in front of her work, "Sambra de la Vida," a painting that is acrylic, latex, sand and paper on masonite. Other paintings by Fuentes will be exhibited through March 12 in the Fine Arts Gallery of the Texas Tech University Art Building.

LUBBOCK--An all-classical music weekend has been scheduled for Saturday (Feb. 28) and Sunday (March 1) by supporters of a proposed classical music station.

The Friends of Classical KOHM, a proposed fine arts station needing \$100,000 in public donations to go on the air, will sponsor the programming and KTXT-FM will air the classical music from 12:30 p.m. Saturday until 7 p.m. Sunday.

The all-classical weekend has been planned to give South Plains listeners an opportunity to sample the types of fine arts programming that would be available on a classical station. The weekend will start with the regular weekly broadcast of the New York Metropolitan Opera and will be followed by a variety of classical offerings.

To date about \$58,000 has been raised in support of the station which would be operated through the Texas Tech University Mass Communications Department. The drive will be conducted through the end of the spring semester.

KTXT-FM Director Clive J. Kinghorn, who is directing the fund drive, said local celebrities will participate in the weekend classical broadcast. Though supporters of a classical music station will be given a chance to make donations during the weekend broadcast, the purpose is primarily to acquaint the public with classical programming possibilities, Kinghorn said.

Persons seeking more information should contact Kinghorn at 742-3993. Contributions should be made to the Texas Tech University Foundation, Box 4710, Texas Tech, Lubbock, Texas 79409, and designated "classical station."

# Texas Tech News

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NEWS AND PUBLICATIONS/P.O. BOX 4640/LUBBOCK, TEXAS 79409/(806) 742-2136

CONTACT: Preston Lewis

24-2-26-87

LUBBOCK--Showcase '87, theme for this year's Festival celebration on KTXT-TV, will highlight some of the best in educational and cultural television March 7-22 as Channel 5 seeks a thousand new members and \$125,000 in donations to support public television on the South Plains.

KTXT-TV, Texas Tech University's public broadcasting station, relies on public support to fund its myriad of educational programs ranging from the popular children's show "Sesame Street" to the successful science series "Nova."

Numerous specials are aired during Festival each March when Public Broadcasting Service stations nationally sponsor simultaneous fund-raising efforts.

Some of this year's Festival specials will be "Benny Goodman: Let's Dance," "Baryshnikov on Broadway," "James Stewart: A Wonderful Life," "Country Music Legends," "Minnelli on Minnelli," "Lawrence Welk: TV's Music Man," "Mancini and Friends" and "Rock and Roll: The Early Days."

The show on Benny Goodman is scheduled at 8 p.m. March 7 and will pay tribute to the late "King of Swing."

"Baryshnikov on Broadway" will air at 9 p.m. March 9 and will offer an Emmy Award-winning salute to past Broadway musicals.

His many famous friends will pay tribute to James Stewart, one of the nation's most beloved actors, during a special edition of "Great Performances" at 8 p.m. March 13.

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On "Country Music Legends," contemporary stars like Willie Nelson, Loretta Lynn, George Strait, Randy Travis and others will salute the stars of yesterday, including the Carter Family, Patsy Cline and Bob Wills. The three-hour special, beginning at 7 p.m. March 14, will include the final public appearance of the Original Texas Playboys.

"Rock and Roll: The Early Days" will air at 9:30 p.m. March 16 and will include early footage of Lubbock native Buddy Holly and his contemporaries Elvis Presley, Little Richard, Fats Domino, Chuck Berry and many more.

During "Minnelli on Minnelli" at 8:30 p.m. March 18, Liza Minnelli will offer a sentimental look at her father Vincente Minnelli and his Hollywood career which produced such MGM films as "Gigi" and "American in Paris."

The Lawrence Welk special, hosted by Kathy Lennon, will take a nostalgic look at the life and music of this North Dakota farm boy at 6:30 p.m. March 21. Several members of Welk's musical family from America's longest running television musical variety series will be featured.

Entertainers Julie Andrews, Johnny Mathis, Andy Williams, Tony Bennett, Dudley Moore and others will perform the music of Henry Mancini during "Mancini and Friends" at 8 p.m. March 21.

KTXT-TV's tax-deductible memberships start at \$25 per year for individuals and \$40 for families, but many individuals, businesses and corporate sponsors contribute at higher levels. For information, contact Payne at 742-2209.

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CONTACT: Beverly Taylor

25-2-26-87

LUBBOCK--Charles H. Townes, Nobel physicist and professor emeritus of physics at the University of California, Berkeley, will speak in four free public lectures Tuesday through Thursday (March 3-5) at Texas Tech University.

Dr. Townes received the Nobel Prize in Physics in 1964 for his work in maser and laser physics and the 1982 National Medal of Science.

He will speak on "The Dark Side of Our Galaxy" at 7:30 p.m. Tuesday in the Chemistry Building, Room 38; on "Past and Future of Quantum Electronics" at 2:30 p.m. Wednesday in Lankford Lab of the Electrical Engineering Annex; and on "The Galactic Center" at 3 p.m. Thursday in the Science Building, Room 57. Another lecture will begin at 11 a.m. Wednesday in the Science Building, Room 57.

Townes is the 1987 James G. Allen Distinguished Visiting Professor as designated by the Texas Tech Dads and Moms Association. The professorship was named for James G. Allen, founder of the Dads Association and emeritus dean of student life. Allen initiated the professorship to bring renowned scientists to speak at the university.

Townes' work is in microwave spectroscopy, nuclear and molecular structure, quantum electronics and radio and infrared astronomy.

Born in Greenville, S.C., in 1915, he graduated with highest honors from Furman University in 1936 with bachelor's degrees in physics and modern languages. He earned a master's in physics at Duke University in 1937 and a doctoral degree in physics at the California Institute of Technology in 1939.

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Townes was a professor at Columbia University and professor and provost of Massachusetts Institute of Technology before his appointment as University Professor of Physics at the University of California, Berkeley (UCB) in 1967. He was named emeritus professor in 1986.

He established the "Townes Group," a respected research group made up primarily of UCB graduate students. One of the group's early projects was with the Radio Astronomy Laboratory. The research resulted in discovery of polyatomic molecules in interstellar clouds. The finding has been used extensively by other scientists studying dark clouds.

Townes has also been a government adviser, serving on the President's Science Advisory Committee from 1965-69 and on advisory groups for the Apollo program, MX missile and arms control. He has also helped the Papal Academy in giving to the Pope advice on peace and the control of nuclear weapons.

His most widely translated article was on science and religion. It is said to be the only article espousing a positive view of religion ever published in the Soviet Literary Gazette.

Past James G. Allen Distinguished Visiting Professors have been Melvin Calvin, 1961 Nobel chemist; Norman Borlaug, 1970 Nobel plant geneticist; Herbert Simon, 1978 Nobel economist; J. Robert Schrieffer, 1972 Nobel engineering physicist; and Paul Samuelson, 1970 Nobel economist.

Sponsors of the visiting professorship are the Houston Endowment Foundation Inc. and Hand and Associates, Pension Consultants and Actuaries of Houston. The Texas Tech Physics Department has helped organize the lectures.

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CONTACT: Preston Lewis

26-2-26-87

LUBBOCK--Described by a fellow publisher as "one of our country's great publishers and a great humanitarian," Frank W. Mayborn of Temple was inducted into the Texas Tech University Mass Communications Hall of Fame during ceremonies on campus Thursday.

Wayne Sellers, retired publisher of the Palestine Herald-Press and himself a member of the ~~Texas Tech Mass Communications Hall of Fame~~, called said <sup>of</sup> Mayborn as a journalist and as a man <sup>of</sup> has earned the many awards bestowed upon him.

"He is a man of great personal courage, a man of firm opinions and, when you are in trouble, a man who will walk many miles for you," Sellers said.

Sellers and Mayborn business associate Frank M. Burke, accepting the award on behalf of Mayborn, who was unable to attend, unveiled a ~~Mayborn~~ portrait which will be permanently displayed in the Texas Tech Mass Communications Department.

"Though a successful business man," Burke said, <sup>of Mayborn</sup> "journalism is his first love."

Mayborn, the 16th inductee in the hall of fame, is the editor and publisher of the Temple Daily Telegram, president and owner of the Killeen Daily Herald and operator and president of KCEN-TV in Temple.

Mayborn's father, the late Ward C. Mayborn, was also honored by Texas Tech's Southwest Journalism Historical Center as a "silent giant of the newspaper industry" for his direction and influence on several newspapers in the Midwest and Southwest.

Telegraph / telegraph  
assembly

Scott Sutherland  
Scott Sutherland

Story ideas for the week of  
March 2-6, 1987  
27-2-27-87

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# Radio & Television New Service

1988 FORECAST--1987 is still young, but the field for the 1988 Presidential race is beginning to take shape. New York's Democratic Governor Mario Cuomo has dropped out, while Missouri Congressman Richard Gephardt has become the first Democrat to officially declare his candidacy. The Republicans are still vying for position. What will be the strategies in this race and who will survive the grueling campaign trail? For some insights into the 1988 Presidential race, call Texas Tech University political science Professor Murray Havens at 742-3121.

MASKED UNVEILING--The identity of the new Masked Rider will be revealed Wednesday (Mar. 4). The Transfer of the Reins Ceremony is set for 3:30 at Jones Stadium. The Masked Rider and the black horse represent Texas Tech University during Red Raider football games and other events in Lubbock and across the state. For more information, contact Judi Henry, Masked Rider Committee chair, at 742-2192.

SNEAK PEEK--Prospective students will get a close-up look at Texas Tech University and some of the programs offered on the campus Friday (Mar. 6) during University Day. More than 2,500 students are expected. Information booths will be set up in the University Center Ballroom and Courtyard from 11:30 a.m. to 3 p.m. Participants will also be advised about academic requirements, potential majors and career possibilities and allowed to tour the campus. For details about University Day, contact the Office of New Student Relations at 742-1480.

HISPANIC EDUCATION--Less than half the Hispanics in the United States have high school diplomas. The Second Texas Symposium on Hispanic Educational Issues March 1-2 at Texas Tech University will address the high dropout rate among Hispanic students. Speakers will include Texas Tech President Lauro F. Cavazos, representatives of the State Board of Education, the Texas Education Agency and various school districts. All sessions will be in the University Center Coronado Room, except the luncheon. For more information or to arrange interviews with speakers, contact Dr. Clyde Kelsey or Dr. Herman Garcia at 742-2313.

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

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CONTACT: Preston Lewis

28-2-27-87

LUBBOCK--Seven schools, including Texas Tech University, will participate in the American Bar Association's 1987 regional client counseling competition March 6-7 in the Texas Tech School of Law.

The competition tests student skills in legal consultation, this year on the general subject of "children and the law." Ten days before the event, teams are notified of the client's problem with much the same information a secretary might receive when setting up an appointment.

During the competition, each team has 30 minutes to interview a "client," then 15 minutes to propose a plan of action and explain it to the judges.

Texas Tech's team is made up of second-year student Jody Hagemann, daughter of Mr. and Mrs. Paul Hagemann of 9283 Forest Lane, Dallas, and second-year student Kevin Glasheen, son of Mr. and Mrs. Hugh F. Glasheen of 10422 Crestover Drive, Dallas. Team alternate is third-year student Brian Loncar, son of Mr. and Mrs. Phil Loncar of 2331 Loma Prieta, Menlo Park, Calif.

Law Professor Charles P. Bubany is faculty adviser for the team and coordinator of the regional event.

The regional contest is sponsored by the Dallas law firm of Winstead, McGuire, Sechrest and Minick, which will present a trophy to the winning team. The top team will advance to the championship round March 27-28 at the University of Toronto in Canada.

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CONTACT: Sally Logue Post

29-2-27-87

LUBBOCK--Despite common misconceptions about epileptics, most of those afflicted with the disease are intelligent individuals who are normal in every other respect.

"Many of the misconceptions about epilepsy are due to the fact that some patients with seizures may be mentally retarded or crippled, as well as having epilepsy," Dr. Daniel L. Hurst, director of the Texas Tech University Health Sciences Center Regional Epilepsy Clinics, said.

"Seizures, which affect about 1 million Americans, in themselves do not shorten life, cause insanity or lead to brain damage except in extreme cases," Hurst, a neurologist, said. "The presence of a seizure disorder in itself implies nothing about other functions of the brain or the rest of the body. The only definite difference between epileptics and nonepileptics is the tendency for epileptics to have seizures."

The brain is a complex organ whose cells use chemical and electrical energy to process large amounts of information, Hurst said. Highly organized networks between these cells are necessary for normal body functions. Seizures occur when a group of brain cells become electrically over active because of genetic problems or injury to the brain. This short circuit in the brain's wiring disrupts the cell network causing some brain functions to be temporarily interrupted, producing changes in consciousness, behavior, sensation or muscle activity.

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There are many kinds of seizures, and with medical tests, a physician can identify what type of seizure is occurring and the cause, he said. Treatment depends not only on what the cause of the seizure is, but also on how many different types of seizures are occurring.

"The difficult part is that often there is more than one type of seizure present," Hurst said. "The goal is to find the right anticonvulsant or combination of drugs that will control the seizures without medication side effects."

Hurst said it is important for parents or other family members to carefully observe the patient's behavior during a seizure. It is important to note behavior just before the seizure, if the eyes turn in any definite directions, which of the extremities were involved, how long the seizure was, and how the patient felt afterward.

Most seizures last only a matter of minutes, and do not require the patient to see a doctor following each episode. Hurst said a physician should be consulted if a seizure lasts more than 10 minutes or if there is more than two seizures, one immediately after the other. A physician should also be called if there is a definite increase in the frequency of seizures, if a new kind of seizure is noted or if an allergic rash or other serious changes in mental alertness, behavior or general health develop.

Hurst said epilepsy occurs primarily in children. About 75 percent of epilepsy patients are children, with onset in the neonatal period or infancy. The disease also affects teens and young adults and those persons over age 50 who develop brain tumors or suffer strokes.

"When the onset of the disease occurs in childhood, seizures will eventually disappear in about two-thirds of the patients," Hurst said. "With teen and adult onset, the disease is likely to stay with the patient for life."

Hurst said making sure medication is taken daily as prescribed is vital to treatment. The medication should never be suddenly stopped because uncontrollable seizures may result, even in patients who have been seizure-free for some time.

"One adult should be responsible for giving the medicine to a child to avoid confusion," Hurst said. "If the child is responsible for taking his own medicine, an adult should still oversee the process."

Hurst noted that adolescents usually find it difficult to remember to take medication regularly, making periodic checks by parents even more important during the teen years.

Hurst said epilepsy should not interfere with a child's normal lifestyle, though activities such as swimming should be supervised by an adult and climbing into high places like trees or riding bicycles on busy streets should be avoided.

"Parents should also discipline their epileptic child as they would their other children," Hurst said. "Special treatment will generally lead to more problems later. It is important for the child to learn to lead as normal a life as possible. Common sense is the best guide to what any child should or should not do."

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CONTACT: Beverly Taylor

30-2-27-87

(MEDIA ADVISORY: A news conference for Nobel physicist Charles H. Townes is scheduled for 4 p.m. Tuesday (March 3) in the Stetson Room of Lubbock Inn, 3901 19th St. Dr. Townes is the 1987 James G. Allen Distinguished Visiting Professor at Texas Tech University and will present four free public addresses Tuesday through Thursday at the university. He received the 1964 Nobel Prize in Physics for his work in maser and laser physics. His visit is sponsored by the Dads and Moms Association.)