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TEXAS TECH UNIVERSITY SYSTEM

News Release

FOR IMMEDIATE RELEASE

DATE: July 2, 2008

CONTACT: Sally Logue Post, sally.post@ttu.edu (806) 742-2136

Sole Finalist Named for Texas Tech University President

[Editor's Note: For more information about Guy Bailey go to:

<http://today.ttu.edu/2008/07/sole-finalist-named-for-texas-tech-university-president.>]

Guy Bailey has been named the sole finalist for the position of president of Texas Tech University after a meeting today (July 2) of the Texas Tech University System Board of Regents. State law requires that 21 days must pass before final action is taken.

Bailey currently is chancellor of the University of Missouri-Kansas City, a position he has held since Jan. 1, 2006, and one that is equal to president at Texas universities. He previously served as provost and executive vice president for academic affairs at the University of Texas-San Antonio from 1999 through 2005.

"Texas Tech University is a unique and special place," Bailey said. "It has one of the brightest futures in American higher education. I am honored to have been selected as sole finalist for its presidency and would consider it a privilege to be a part of that future."

Kent Hance, chancellor of the Texas Tech University System, chose Bailey for the job from a group of candidates presented to him by the President Search Committee.

"Guy Bailey has an impressive record of accomplishment," Hance said. "At UTSA, Dr. Bailey was able to double external funding for research while increasing the school's enrollment by more than 40 percent. I believe he's the right person to lead Texas Tech University."

Bailey counts among his major accomplishments at the University of Missouri-Kansas City the completion of a \$200 million capital campaign. He also created \$10 million in administrative savings that was put into the core academic mission of the university, including raising salaries to attract and retain faculty. During his tenure, about \$175 million in new construction was approved using primarily public/private funding partnerships.

Bailey holds bachelor's and master's degrees in English from the University of Alabama and a doctorate in English linguistics from the University of Tennessee. He is the author of about 100 books and articles.

Bailey succeeds Jon Whitmore who is leaving the university to become president of San Jose State University on Aug. 1. Whitmore became Texas Tech president in 2003.

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TEXAS TECH UNIVERSITY

News Release

IMMEDIATE RELEASE

DATE: July 2, 2008

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Texas Tech Law Alumnus Named Chairman of State Law Examiners Lubbock attorney will head state legal governing body.

A Texas Tech law school alumnus and current Law School Foundation Board member has been named the 2008 Chairman of the Texas Board of Law Examiners.

John Simpson III is a 1974 graduate of the Texas Tech School of Law. He also earned his bachelor's degree in business administration at Texas Tech in 1971.

The Board of Law Examiners is appointed by the Supreme Court of Texas and has nine members, appointed biennially. Each member must be an attorney, at least 35 years of age, with a minimum of ten years of experience in the practice of law.

One of the major duties of the board and its staff is to investigate the character and fitness of students studying law in ABA-approved law schools in Texas who intend to apply for admission in Texas, as well as that of all applicants for admission to the Bar. Board members also prepare and supervise the grading of the Texas Bar Examination.

Simpson began work at the Splawn Law Offices in 1973 as a law clerk while attending law school. The firm became Splawn and Simpson Law Offices when Simpson became a shareholder in 1979. The firm is now known as Splawn Simpson Pitts.

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CONTACT: Casey Carson, director of alumni relations, Texas Tech University School of Law, (806) 742-3990 ext. 315, or casey.carson@ttu.edu.



TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 2, 2008

CONTACT: Jessica Benham, jessica.benham@ttu.edu
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Geologists Discover Magma and Carbon Dioxide Combine to Make 'Soda-Pop' Eruption

Through an autopsy of an ancient Scandinavian mountain chain, a team of Texas Tech University geologists found that carbon dioxide can create explosive eruptions when magma encounters calcium carbonate-based rocks.

This discovery overturns a longtime belief by geologists, who thought that carbon dioxide was incapable of dissolving in magma, said Calvin Barnes, professor of geosciences and lead investigator.

Through a grant from the National Science Foundation, Barnes, Aaron Yoshinobu, associate professor of geosciences, and doctoral student Yujia Li, discovered that carbon dioxide is released when magma interacts with rocks such as limestone and marble. The carbon dioxide, when combined with the magma, can create more powerful eruptions.

"The main topic of our research involves magma's interaction with rocks that release carbon dioxide," he said. "Hot magma melts the calcium carbonate-rich rock, and it mixes with magma much like adding an ingredient to something you are cooking to change the consistency or flavor. This forms bubbles and increases the volume of the magma. In turn, it must be pushed out through an eruption in a manner similar to modern explosive volcanoes in Italy, including Mount Vesuvius."

The Texas Tech geologists' research is in collaboration with colleagues at the University of Trondheim, the Geological Survey of Norway, and the University of Wyoming. So far their research has yielded three papers in journals such as the *Norwegian Journal of Geology* and *Lithos*. Several more are pending.

Because searing hot temperatures prevent scientists from observing these reactions directly, Barnes studied samples from the ancient Caledonian fold belt in Norway – Scandinavia's equivalent of the Appalachian Mountains of North America.

Erosion has exposed the layers of magma that solidified within earth's crust when the Caledonian fold belt was formed, Barnes said. Through chemical analysis, he and Li confirmed that carbon dioxide not only is released when magma encounters calcium carbonate-based rocks, but also that a great deal of calcium dissolves in the magma and equal amounts of carbon dioxide are released. Just as carbon dioxide causes a soft drink to fizz, this caused the magma to bubble and expand until it reached the point of eruption.

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Barnes' research coupled with new experiments done by researchers in France and Italy has shown that the contamination of magma by carbonate not only is possible, but also it is capable of explaining many of the unusual characteristics of modern volcanoes such as Vesuvius, an active volcano located east of Naples, Italy, and the Alban Hills, located southeast of Rome.

He said that both the Alban Hills and Vesuvius produce unusually high amounts of carbon dioxide during eruptions because the crust beneath these volcanoes contains calcium carbonate-based limestone rocks.

Through their research, they can better understand eruptions and calculate the amounts of carbon dioxide released during volcanic activity. Understanding these concepts is important from a public safety standpoint since cities and towns are close by active volcanoes.

"It's useful because a volcanic eruption gives you a snapshot of what is happening beneath Earth's surface," Barnes said.

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TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 8, 2008

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Texas Tech Professors Assist with Nuclear Dismantlement in Iraq

Two Texas Tech University researchers participated in a special ceremony Monday (July 7) that marked the beginning of nuclear dismantlement in Iraq.

Ron Chesser, director of Texas Tech's Center for Environmental Radiation Studies, and Carleton Phillips, a professor of biology who has assisted in Iraq since 2003, both spoke during the event at the Iraq Parliament Building in Baghdad.

"The reason for the ceremony was to celebrate the beginning of the dismantlement of the Al Tuwaitha site southeast of Baghdad, which began on July 1," Chesser said. "The Center for Environmental Radiation Studies program has embraced a boots-on-the-ground approach to science diplomacy. We feel that it is important to work with our colleagues in their country and in their environment. In this way, we learn the special circumstances they face and they can see that we are dedicated to their cause."

The ceremony comes on the heels of the recent removal to Canada of 550 metric tons of "yellowcake" uranium, which can be enriched into weapons-grade nuclear material.

"We at Texas Tech are proud to have played a role in the beginnings of nuclear dismantlement in Iraq," Chesser said. "But this is primarily a proud day for the Iraqi ministries and their dedicated teams of workers who have made this achievement possible."

Dismantlement of the nuclear facility follows Texas Tech's "Train and Engage" program, which trained 27 Iraqi scientists and technicians on dismantlement procedures. It was funded by Great Britain and conducted in an abandoned city near the Chernobyl nuclear reactor in the Ukraine. The program enabled the Iraqi participants to practice safety procedure training in a radioactively contaminated building. Then, the process was repeated in Iraq where Chesser and Phillips supervised the beginning of the Al Tuwaitha dismantlement process.

Chesser, Phillips and Brenda Rodgers, an assistant professor of biology, have conducted more than 10 different training programs for Iraqi scientists since 2005.



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Texas Tech designed the “Train and Engage” program to permit Iraqis to plan and implement the concepts they had learned from their radiation training, Phillips said.

“It is far easier to assert that science and engineering are essential to Iraq’s future than it is to make the wish come true,” he said during the ceremony. “It is important to appreciate the fact that scientific and engineering capacity requires an infrastructure that includes high-quality education, a strong economy and a supportive and functional government.”

Thanks to the funding from the United Kingdom as well as nearly \$950,000 in grants from the U.S. Department of State, scientists with the Center for Environmental Radiation Studies can continue dismantling the old uranium enrichment plants, getting a better handle on the public health impact of the contamination and helping train Iraqi scientists to safely continue the dismantling process.

One of the State Department grants will support the center’s continued role in the dismantling and disposal of Iraq’s former nuclear weapons facilities and for its research on public health in villages close to the main facility near Baghdad, said Chesser. This is the third year of funding for the Texas Tech program, which is an outgrowth of faculty involvement in the reconstruction of science, technology and engineering capacity in Iraq.

Another will implement a Radiation Worker Safety Program in Iraq. This includes training Iraqi workers on radiation safety and establishing worker training and safety procedure inside of Iraq. The \$363,500 grant from the United Kingdom will help train former Iraqi scientists on project management and nuclear facilities dismantling processes.

After Desert Storm in 1991 and the looting in 2003, uranium contamination became a problem for Iraqi villagers who lived near Al Tuwaitha.

Phillips said that Saddam Hussein’s weapons program never followed international safety protocol. Now, the new government is trying to follow those international rules by attempting to assess and clean up the mess and protect people living near contaminated areas.

This summer, Rodgers and others will begin a massive public health testing program to determine potential health risks to those living near the contaminated areas.

“The problem is that rumors abound, and there’s a lot of presumption that people are being poisoned by radiation,” Rodgers said. “Similar rumors led to widespread fear and unsubstantiated reports of death due to radiation sickness from Chernobyl.

“But we want to find out scientifically if there is any danger. If there is, we’ll report our findings to the appropriate ministries in Iraq.”



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Chesser and Phillips are in Iraq, which is eight hours ahead of Central Daylight Time. With that in mind, they can be reached by cell phone or e-mail.

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TEXAS TECH UNIVERSITY

News Release

IMMEDIATE RELEASE

DATE: July 8, 2008

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Texas Tech School of Law Team Takes State Championship Retiring Law School Team Coach Ices the Cake on his Incredible Legacy

The Texas Tech University School of Law Appellate Advocacy Team has won the State Moot Court Competition Championship at the Texas State Bar Convention in Houston, held June 24-26.

In his last competition as coach of the appellate team, retiring legendary coach Don Hunt added to his legacy by coaching the team to the win in what is otherwise known as the Texas Law School Super Bowl. Hunt taught appellate advocacy at Texas Tech from 1974-2004, after which he limited his involvement to coaching the national appellate advocacy teams. He also was coach of the national trial teams for 30 years.

Walter Huffman, dean of the Texas Tech law school, fielded exceptional comments from the competition's judges.

"The final round in the competition is traditionally judged by the justices of the Texas Supreme Court," Huffman said. "They told me afterward that they have never seen a more intense and well-argued final round – supported by outstanding written briefs on both sides. It goes without saying that our talented team delivered an extraordinary performance under extraordinary pressure, and that demonstrated skill and backbone will certainly stand them in good stead in their legal careers."

The winning team was made up of Graigory Fancher of Idalou, and Erin Welch, of Alvarado, both May 2008 graduates; Matthew Luensmann, a third-year law student from Saint Hedwig; and Charles Pelowski, a second-year law student from Abilene.

"The entire Texas Tech law family joins me in extending congratulations to our Moot Court team members for representing themselves and Texas Tech Law so extremely well in this important and prestigious competition," Huffman said, "and especially for presenting Coach Hunt with a storybook ending to his magnificent career."

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TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 9, 2008

CONTACT: Leslie Cranford, leslie.cranford@ttu.edu
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Texas Tech Institute Encourages Native American Students

On-campus activities will promote college to prospective high schoolers.

Texas Tech University will host the Native American Summer Bridge Institute July 20 - 25 on the Texas Tech campus. The program currently is accepting applications from students of Native American heritage in West Texas who are entering their junior year of high school.

The institute is designed to introduce incoming juniors to activities and resources available to students interested in attending college, bridging the transition from high school. The institute features college academic courses and campus life activities, as well as tours of Texas Tech, the Ranching Heritage Center and the Lubbock Lake Landmark. Participants receive housing, meals and all other materials at no cost.

"The Native American Summer Bridge Institute introduces students to college life, academics and resources available to help high school students as they begin to prepare for college – and to help them understand that college is possible," said Jobi Martinez, director of the Cross-Cultural Academic Advancement Center. "Staying on campus is important because they have the opportunity to meet new people and explore Texas Tech."

The institute is organized by faculty and staff members that coordinate the university's American Indian/Native American activities. Parents and elders also are welcome to participate at no cost.

Registration deadline is July 16. For more information, contact the Cross-Cultural Academic Advancement Center at (806) 742-8681 or visit <http://www.depts.ttu.edu/diversity> to download an application.

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TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 10, 2008

CONTACT: John Davis, john.w.davis@ttu.edu
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Projected California Warming Creates Cycle of More Heat Waves, Energy Use for 21st Century

As the 21st century progresses, major cities in heavily air-conditioned California can expect more frequent extreme-heat events caused by climate change.

This could mean increased demand for electricity in the densely-populated state which may increase the risk of power shortages during heat waves, said Katharine Hayhoe, a climate researcher in the Department of Geosciences at Texas Tech University who co-authored the report with researchers from the University of California, Berkeley. If additional electricity were generated through fossil fuels, this could mean even more emissions of heat-trapping gasses that cause climate change.

“Risk of electricity shortages can be reduced through energy conservation as well as through reducing our emissions of heat-trapping gasses in order to limit the amount of future climate change that can be expected,” Hayhoe said.

The results were published in the online version of the *Journal of Applied Meteorology and Climatology*. Researchers used climate projections from three atmosphere-ocean general circulation models to assess projected increases in temperature extremes and day-to-day variability.

Before the end of the century, increases in extreme heat days could range from approximately twice the present-day number for inland California cities such as Sacramento and Fresno, to up to four times the number for previously temperate coastal cities such as Los Angeles and San Diego.

“Electricity demand from industrial and home space cooling already increases as a near linear response to outdoor temperatures,” said Max Auffhammer, an assistant professor of agriculture and resource economics at the University of California, Berkeley. “With widespread increase in extreme heat days across the Western U.S., the electricity grid could be further strained and brownouts and rolling blackouts may become more frequent.”

This year, California experienced an unusually early heat wave in May that set 119 new daily high temperature records. On May 19, Death Valley set a record for the earliest day to reach 120 degrees, breaking the May 25, 1913, record. Now in its second heat wave

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this summer, record high temperatures have been broken for several more California cities in recent days.

“In the future, the state should brace for summers dominated by the heat-wave conditions, such as those experienced this year,” said Norman Miller, lead author of the study and a climate scientist at Lawrence Berkeley National Laboratory. “Extreme heat and heat-wave events have already triggered major electricity shortages like those seen in the summer of 2006. Given past events, the results of this study suggest that future increases in peak electricity demand may challenge the current and future electricity supply and transmission capacities.”

When the projected extreme heat and observed relationships between high temperature and electricity demand for California are mapped onto current availability, the researchers discovered a potential for electricity deficits as high as 17 percent during peak electricity demand periods.

Similar increases in extreme-heat days are likely for other urban centers in Arizona, New Mexico and Texas, as well as for large cities in developing nations with rapidly increasing electricity demands.

Hayhoe and Miller also contributed to the Nobel Prize-winning United Nations Intergovernmental Panel on Climate Change.

For a PDF copy of the report, please contact John Davis at Texas Tech University.

CONTACT: Katharine Hayhoe, associate professor, Department of Geosciences, Texas Tech University, (806) 392-1900, or katharine.hayhoe@ttu.edu. Norman Miller, climate scientist, Earth Sciences Division, Lawrence Berkeley National Laboratory, (510) 495-2374 or NLMiller@lbl.gov.



TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

Date: July 10, 2008

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Supreme Court Justice Scalia to make Lubbock Appearance Texas Tech's Sandra Day O'Connor speaker series hosts second event.

Supreme Court Justice Antonin Scalia will make an appearance in Lubbock in late fall. Scalia is the second most senior associate justice of the nation's high court. The speaking engagement is the second event in the annual Sandra Day O'Connor Distinguished Lecture Series at Texas Tech University's School of Law.

According to Walter Huffman, dean of the law school, Scalia has agreed to follow the format established by Justice O'Connor and present an evening presentation to the community at large in addition to separate presentations and student events at the School of Law. A specific date for Justice Scalia's visit to Lubbock has not been announced.

Appointed by Republican President Ronald Reagan in 1986, Scalia is considered to be a core member of the conservative wing of the court.

"It is always an honor for the Texas Tech University School of Law to host a justice of our nation's highest court, and it is a special privilege to host Justice Scalia," said Huffman. "His articulate and aggressive defense of his position as a strict adherent to the fundamental principles established by the U.S. Constitution has made him one of the most well-known and oft-quoted members of the current court. He is arguably both the most colorful and the most controversial member of the court, and I am certain his presentations will be both informative and entertaining."

The lecture series is the brainchild of Houston attorney Mark Lanier, a law school alum who founded the Lanier Law Firm. He underwrites the series. Lanier also is the benefactor of the recently opened professional development wing of the law school.

Lanier said that Texas Tech has one of the best law schools in the country, but does not get as much national recognition as it deserves. His firm has offices in Houston, New York and Los Angeles.

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TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 10, 2008

CONTACT: John Davis, john.w.davis@ttu.edu
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Texas Tech Institute Earns \$1.08 Million NIH Grant to Encourage Science Education within Underrepresented Minority Groups

Three researchers at The Institute of Environmental and Human Health at Texas Tech recently received a \$1.08 million grant from the National Institutes of Health to implement the Plains Bridges to the Baccalaureate Program with South Plains College.

Institute researchers Jaclyn Cañas, Stephen Cox and Trey Brown received the five-year grant. The program will partner with educators and minority science students at South Plains College to help those students transfer successfully from the college to Texas Tech.

“Our goal is to help minority science students succeed in college and stimulate them to the point where they want to continue pursuing a career in science,” said Cañas, who will serve as program director. “We want them to go to South Plains College, come to get their bachelor’s degrees at Texas Tech, and then hopefully continue on to graduate school.”

Cañas said institutes for higher education must develop programs to help minority students overcome the challenges they face in pursuing university degrees – especially in the sciences.

While African-Americans, American Indians and Hispanics comprised 13 percent, 1.5 percent and 12.5 percent of the 2000 U.S. population, the 2005 Graduate Enrollment and Degrees Report found that they comprised only 12 percent, 1 percent and 7 percent of all graduate degrees.

Cañas hopes to encourage more minority students to pursue more science-based graduate degrees. They hope to have 48 students pass through the program in the next five years. The first 12 students in the program will begin this fall at South Plains College.

Jay Driver and Philip Anderson, professors at South Plains College, and Texas Tech faculty members John Zak, Jorge Salazar-Bravo, Juan Muñoz and Zenaida Aguirre-Muñoz also aided in securing the funding.



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CONTACT: Jaclyn Cañas, program director for the Plains Bridges to Baccalaureate Program, The Institute of Environmental and Human Health, Texas Tech University, (806) 885-0308, jaclyn.canas@tiehh.ttu.edu



TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 14, 2008

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Texas Tech University Professor Receives Prestigious Donald Justice Poetry Prize

A Texas Tech University English professor received the 2008 Donald Justice Poetry Prize for his second collection of poetry, "Two Men Fighting with a Knife."

John Poch, associate professor of creative writing, was one of two winners selected this year to receive \$1,000 and a reading at the West Chester Poetry Conference, the largest annual poetry conference in the United States.

The West Chester Poetry Conference administers the Justice Prize, and it welcomes unpublished, original book-length collections of poems by American poets.

His poetry collection was selected from 300-400 manuscripts that were submitted this year.

"When I found out, I was elated, as the prize is nationally known," Poch said. "And, to be associated with the name of Donald Justice, a fine American poet, is no small thing."

He said the first 13 poems are a group of "ghost town" sonnets he wrote while on a Texas Tech University Research Enhancement Fund Grant in northern New Mexico. The rest of the poems discuss a mix of different subjects including pecan trees, stepladders and the Denton police department. One poem, "My Neurosurgeon" is about a recent recovery from spinal surgery and is dedicated to a Lubbock neurosurgeon, Mark D'Alise.

"In spite of its rueful undercurrent of mortality, 'Two Men Fighting with a Knife' is one of the wittiest books I have read in years, full of an active thrust and parry," said David Mason, Donald Justice Poetry Prize judge. "John Poch mines these poems from a rich vein of American vernacular. He is a raconteur of Texas and 'the Old West ins and outs,' offering a range of moods from anger to hilarity and grief, hewing close to actual lives, surprising us with crackerjack phrasing and vital talk."

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TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 14, 2008

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Texas Tech Professor Receives Two National Awards

Texas Tech University College of Engineering Horn Professor Henryk Temkin recently received a Distinguished Service Medal from the Department of Defense and the Aron Kressel Lasers and Electro-Optics Society (LEOS) Award from the Institute of Electrical and Electronics Engineers (IEEE).

The director of the Defense Advanced Research Projects Agency (DARPA), an agency of the United States Department of Defense responsible for the development of new technology for use by the military, presented Temkin with the Bronze Secretary of Defense award for Exceptional Public Service, a Distinguished Service Medal. The award was in recognition of Temkin's service to DARPA for the past three years.

"We are very proud of Henryk's scientific and technical contributions at DARPA and in the Texas Tech College of Engineering," said Pamela A. Eibeck, dean of the College of Engineering. "He is a worldwide leader in the opto-electronics research field, and he certainly deserves these recognitions from IEEE and the Department of Defense."

Temkin received the IEEE Aron Kressel LEOS Award for outstanding contributions and leadership in advancing opto-electronic materials and devices – the science of light-emitting device creation. His work with light-emitting and detecting devices has enabled all colors within the rainbow to be produced with light-emitting devices, specifically light-emitting diodes (LEDs). The Kressel Award recognizes those individuals who have made important contributions to opto-electronic device technologies.

In addition to being a Horn Professor of Electrical Engineering, Temkin also is holder of the Jack Maddox Distinguished Engineer Chair endowed by the Maddox Foundation, as well as a director of the Nano Tech Center.

He began working in conjunction with DARPA in July 2005. Prior to arriving at DARPA, he has been a professor of electrical engineering at Texas Tech and Colorado State Universities (1992-2005) where his research focused on large bandgap semiconductors, carrier dynamics in lasers and integrated optics.

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Between 1977 and 1992, Temkin was a member of technical staff at Bell Laboratories and a distinguished member of technical staff at AT&T Bell Laboratories at Murray Hill, N.J. In this position, he made a number of contributions to studies of optical and electrical properties of semiconductors, physics and technology of semiconductor lasers, the integration of more powerful lasers for optical communications and the development of advanced materials engineering methods.

Temkin earned a Master of Arts in physics from Yeshiva University in New York City in 1972 and a doctoral degree in physics from Stevens Institute of Technology in Hoboken, N.J., in 1975. He is a Fellow of IEEE and has more than 400 technical publications, including one monograph and one edited book.

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TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 17, 2008

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Texas Tech Researchers Author Textbook on Biological and Chemical Terrorism Countermeasures

Researchers at Texas Tech University and Texas Tech University Health Sciences Center have assembled a textbook that describes the progress and lessons learned from more than five years of biological and chemical threats research.

The book, "Advances in Biological and Chemical Terrorism Countermeasures," was edited by Ronald J. Kendall, Steven M. Presley, Galen P. Austin and Philip N. Smith with the Admiral Elmo R. Zumwalt Jr. National Program for Countermeasures to Biological and Chemical Threats at The Institute of Environmental and Human Health.

"This science-based work is an excellent tool to assist military and homeland security personnel and first responders to improve their ability to develop and implement countermeasures to potential biological and chemical threat agents that continue to emerge," said Kendall, who is director for the institute. "We believe this book will be of great value to the professionals who are working in these areas to make our nation safer."

The book provides an overview of recognized threats and their toxic effects and examines how these threats are dispersed through the environment. Also, it describes development of sensors for detecting threats and environmental protection, personal protection and the relationship between risk and vulnerability to establish the measure of threat.

Taylor & Francis/CRC Press published the book. Funding support for the book came from the U.S. Army Research Development and Engineering Command.

For a copy of the book, please contact Carolyn Spence at (561) 998-2515 or e-mail carolyn.spence@taylorandfrancis.com.

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TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 18, 2008

CONTACT: Sally Logue Post, sally.post@ttu.edu
(806) 742-2136

Texas Tech Hospitality Services Director Elected National Organization Officer

Sam Bennett, Texas Tech University director of hospitality services, has been elected president-elect of the National Association of College and University Food Services (NACUFS).

"I am thrilled to be elected to the position of president-elect, especially at the 50th anniversary celebration in the nation's capital," said Bennett. The election took place in July.

Bennett, who has been with Texas Tech for 33 years, will serve three years on the organization's board of directors as president-elect, president and past president. "I look forward to three years of very demanding service and all the while a very rewarding experience," he said.

The Division of Hospitality Services is responsible for all Texas Tech residence hall dining services, the Sam's Place mini-markets, retail operations at the Student Union and the university catering operation. With 6,400 residents on campus, the department serves more than three million meals per year with a \$27 million budget.

NACUFS, founded in 1958, provides its members with training, technical assistance, networking, industry information and research to help promote the highest quality food service operations.

CONTACT: Sam Bennett, director of the Division of Hospitality Services at Texas Tech University, (806) 742-1360 or sam.bennett@ttu.edu.



TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 21, 2008

CONTACT: Jessica Benham, jessica.benham@ttu.edu
(806) 742-2136

Professor Awarded Fulbright Scholarship for 2008-2009 Academic Year

An associate professor in the Department of Classical and Modern Languages and Literatures at Texas Tech University, received a Fulbright Scholar grant to study at the University of Alberta in Canada during the 2008-2009 academic year.

Laura Beard researches autobiographical narratives of the Indian residential school experience. While in Canada, she will continue research on her book titled, "Killing the Indian in the Child: Narratives of the Indian Residential School Experience," where she explores narratives from former students of different residential schools in the United States and Canada.

"I am interested in exploring how the residential school narratives contribute to native intellectual and political struggles and how they participate in the healing of native communities," Beard said.

She said that her work on Indian residential school narratives grew out of her many years of work on native literatures and cultures.

"Much of the work that has been done on the Indian residential schools has either focused on one particular school or has looked at the works written about the schools from a historical or an ethnographic perspective," Beard said. "A Fulbright grant in Canada will give me access to a wealth of persons, materials and resources not available in Lubbock."

Beard said many professors can do their jobs from their offices, but those who research a particular culture or community must conduct their research outside of their own universities.

"The opportunity to do international travel and research is crucial to our ability to do our job," Beard said. "We depend on Fulbright grants and other external grants to support our research."

The Fulbright Program, America's flagship international educational exchange program, is sponsored by the United States Department of State, Bureau of Educational and Cultural Affairs. Since its establishment in 1946, the Fulbright Program has provided approximately 273,500 people with the opportunity to observe each others' political,



TEXAS TECH UNIVERSITY

economic, educational and cultural institutions, to exchange ideas and to embark on joint ventures of importance to the general welfare of the world's inhabitants.

CONTACT: Laura Beard, associate professor, Department of Classical and Modern Languages and Literatures, Texas Tech University, (806) 742-3145, or laura.beard@ttu.edu.



TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 21, 2008

CONTACT: Heather Medley, heather.medley@ttu.edu
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Car Clinic and Safety Fair Prepares Students, Faculty, Staff for Possible Hazards

Texas Tech University Parking Services partners with community to educate and inform Texas Tech and the community.

Preventive maintenance is an essential step of defensive driving. Texas Tech University Parking Services provides the checks and services free during one a Car Clinic and Safety Fair Wednesday (July 23).

The free checks will be done by Scotts Complete Car Care Clinic from 10 a.m. -- 2 p.m. in the Texas Tech C17 parking lot between Texas Tech Parkway and Indiana Avenue.

A survey by "Road and Travel Magazine" shows that college students wished that they took better care of their cars. University Parking Services and Scotts Complete Car Care will check fluids and belts to ensure that students, faculty and staff are ready to travel the road before the fall semester begins.

University Parking Services sponsors the Car Clinic three times a year: before the Thanksgiving holiday, before spring break and before the start of the fall semester. Students, faculty and staff can register to win a free parking permit. All participants will receive a goody bag.

CONTACT: Heather Medley, University Parking Services, (806) 742-PARK (7275) ext. 284.



TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 22, 2008

CONTACT: Leslie Cranford, leslie.cranford@ttu.edu
(806) 742-2136

Experts Available as Dolly Threatens Texas Wind Scientists Studied Katrina, Rita and Other Hurricanes

With Tropical Storm Dolly expected to gain hurricane strength today (July 22) and headed for the Texas Coast, Texas Tech University has a number of wind scientists with extensive experience researching hurricanes such as Rita and Katrina and can speak as experts about various aspects of these devastating storms.

Through Texas Tech's multi-disciplinary Wind Science and Engineering Research Center, the scientists study various aspects of a hurricane, such as: the meteorological forces at work as the hurricane makes landfall, wind damage to buildings such as houses and "lifeline" infrastructure, and the economic impact that evacuations have on cities, banks and stock prices.

Our experts can speak about their findings in Hurricanes Rita and Katrina and other data collected through the center's three decades of studying wind-related events:

Daan Liang, assistant professor of construction engineering technology at Texas Tech University, investigated building damages caused by Hurricane Katrina using satellite images and aerial photos along with ground survey results.

Liang has studied how the construction of buildings affects their vulnerability against severe windstorms with various probability models. Recently, his research is focused on the advancement of remote sensing technology in documenting and assessing wind damages to residential structures. Liang can be reached at (806) 742-3538 or daan.liang@ttu.edu.

Bradley Ewing, professor of operations management in the Rawls College of Business, has studied the economic impact of hurricanes and tornadoes for more than 12 years. He can speak to the impact of hurricanes and tornadoes in cities like Oklahoma City, Corpus Christi, Wilmington, N.C., Miami, and Nashville, Tenn. Ewing can be reached at (806) 742-3939 or bradley.ewing@ttu.edu.

John L. Schroeder, assistant professor of Atmospheric Science at Texas Tech University, visited affected areas after both hurricanes Rita and Katrina to deploy instrumented towers that gather high-resolution storm data at a time when most conventional observation systems fail.

Schroeder can offer insight into how hurricanes develop, move and react to various meteorological elements. He is an expert on how the hurricane interacts with man's built environment at landfall and has been actively intercepting hurricanes since 1998. Schroeder can be reached at (806) 742-2813 or john.schroeder@ttu.edu.

Ernst Kiesling, professor of civil engineering and executive director of the National Storm Shelter Association, recommends that homeowners who live above the flood plane in hurricane-prone areas buy a storm shelter for their home.

As was seen in Houston preceding Hurricane Rita, evacuations often can put immense strain on traffic corridors, leading to traffic jams and – in the case of Houston – fatalities. By utilizing in-home shelters, some families who are not required to evacuate can remain where they are and ease the traffic flow.

However, Kiesling urges buyers to look for a seal of the National Storm Shelter Association when they buy a safe room for their home. Although there are a variety of products available for homes, Kiesling says many shelters are not designed to be fully compliant with current standards for storm shelters and might not provide full protection from extreme winds.

Kiesling can speak on the construction and use of residential and community shelters. Kiesling has more than 30 years of experience in the field documenting debris damage and testing different materials and types of construction. He can be reached at (806) 742-3476, ext.335 or ernst.kiesling@ttu.edu.

Larry Tanner, research associate in civil engineering, was a member of the FEMA mitigation assessment team that studied Hurricane Katrina. He led a team that recorded wind and water damage along the coastline in Louisiana and Mississippi.

Much of the damage done by Katrina, he says, resulted from structures being built below the base flood elevation – or the elevation that flood waters will rise to during a 100-year storm event (meaning the storm only has a 1 percent chance of happening in a year). Tanner can be reached at (806) 742-3476 ext. 336, or larry.tanner@ttu.edu.



TEXAS TECH UNIVERSITY SYSTEM

Advisory

FOR IMMEDIATE RELEASE

Date: July 24, 2008

CONTACT: John Davis, john.w.davis@ttu.edu
(806) 742-2136

Curator at Museum of Texas Tech University Featured on History Channel

WHAT: "Prehistoric Monsters Revealed," a new television program featuring the work of Sankar Chatterjee and others from The Museum of Texas Tech University.

WHEN: 8 p.m. Monday (July 28)

WHERE: The History Channel (Suddenlink Cable Channel 62)

EVENT: Once upon a time, our planet was inhabited by monsters.

Then they disappeared.

Sankar Chatterjee, curator of paleontology and Paul Whitfield Horn Professor of Geosciences and Museum Sciences, discusses the work he and others have done concerning pterosaur, which were the first vertebrates to evolve the power of flight. These flying reptiles lived 228 to 65 million years ago from the late Triassic Period to the end of the Cretaceous Period.

Through paleo-forensics, scientists try to discover what caused the demise of some of the most ferocious animals ever to walk, swim or fly across the face of the Earth.

CONTACT: Sankar Chatterjee, curator of paleontology at the Museum of Texas Tech and Horn Professor of Geosciences, (806) 742-1986 or sankar.chatterjee@ttu.edu.



TEXAS TECH UNIVERSITY

Advisory

FOR IMMEDIATE RELEASE

DATE: July 24, 2008

CONTACT: Cory Chandler, cory.chandler@ttu.edu
(806) 742-2136

Nation's Top Young Female Chess Players to Square Off in Lubbock

WHAT: Opening Ceremony of the fifth-annual Susan Polgar National Invitational for Girls

WHEN: 1:30 -2:30 p.m. Sunday, July 27 (The first round of competition will begin at 3 p.m.)

WHERE: The Texas Tech University Frazier Alumni Pavilion

EVENT: For six days, 50 girls – one from each state – will compete in the nation's most prestigious all-girls national chess championship.

The 18-and-under participants are selected to represent their state from thousands of girls who compete annually in chess events across the world to earn a seat in the tournament, said Susan Polgar, director of Texas Tech's Susan Polgar Institute for Chess Excellence.

This is the first time Polgar has held the tournament on Texas Tech's campus; the university is now slated to host the event for the next 10 years.

This will prove a recruiting boon for Texas Tech, as each year the university will award a four-year academic scholarship to the highest-finishing player who has not graduated from high school by August.

Championship rules and conditions can be found at
<http://susanpolgar.blogspot.com/2008/06/rules-and-conditions-for-spni.html>.

CONTACT: Paul Truong, director of marketing, SPICE, Texas Tech University
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TEXAS TECH UNIVERSITY SYSTEM

News Release

FOR IMMEDIATE RELEASE

DATE: July 24, 2008

CONTACT: David McClure, david.mcclure@ttu.edu
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Guy Bailey Becomes Texas Tech's 15th President

Guy Bailey will become the 15th president of Texas Tech University. System Chancellor Kent Hance made the announcement today (July 24) after a state-mandated 21-day waiting period. Bailey will assume his duties at Texas Tech on Aug. 1.

Hance designated Bailey sole finalist for the position on July 2. He was selected after members of a search advisory committee conducted an extensive nationwide search. Bailey has served as chancellor of the University of Missouri-Kansas City since Jan. 1, 2006. In the University of Missouri system, chancellor is a position equal to president at Texas universities.

"Guy Bailey is the right person to lead Texas Tech University," said Hance. "He shares our vision for enrollment growth and sees Texas Tech as a place with one of the brightest futures in higher education. I'm excited that he's joined our team."

Bailey will be introduced to the Texas Tech and Lubbock communities at a news conference and reception Aug. 4 at Frazier Alumni Pavilion on the Texas Tech campus.

"I am excited to be the next president at Texas Tech University and look forward to this wonderful opportunity," said Bailey. "Texas Tech is already an excellent university. I will work to improve upon the already strong educational and research programs that are in place."

At the University of Missouri-Kansas City, Bailey doubled the external funding for research while increasing the school's enrollment by more than 40 percent. He also oversaw the completion of a \$200 million capital campaign and created about \$10 million in administrative savings that was put into the core academic mission of the university, including raising salaries to attract and retain faculty. During his tenure, about \$175 million in new construction was approved using primarily public/private funding partnerships.

Bailey holds a bachelor's and master's degrees in English from the University of Alabama and a doctorate in English linguistics from the University of Tennessee. He is the author of about 100 books and articles.

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[Editor's Note: The first media availability with Dr. Bailey is a 10 a.m. news conference Aug. 4. For a copy of his contract, please contact the Office of Communications and Marketing at (806) 742-2136. For more information on him, go to: <http://today.ttu.edu/2008/07/guy-bailey/>]



TEXAS TECH UNIVERSITY

Advisory

FOR IMMEDIATE RELEASE

DATE: July 24, 2008

CONTACT: Cory Chandler, cory.chandler@ttu.edu
(806) 742-2136

Alliance of Producers and Researchers Release Water Conservation Findings

WHAT: Texas Alliance for Water Conservation Field Day

WHEN: 7 a.m.-1:30 p.m. Thursday (July 31)

WHERE: The Floyd County Unity Center in Muncy (U.S. Highway 70 about six miles northwest of Floydada and four miles southeast of Lockney)

EVENT: Three years into their eight-year study, the producers and researchers of the Texas Alliance for Water Conservation (TAWC) will host a field day for area producers.

The event will highlight findings, discuss future project research and give an overview of how the 2008 Farm Bill should affect production decisions – especially its provisions for conservation practices.

The TAWC, a \$6.2 million undertaking partnering Floyd and Hale county producers with industries, universities and government agencies, aims to extend the life of the Ogallala Aquifer while maintaining profitability for farmers.

The project probes farming technology and its possible applications in water conservation.

Among other findings, the alliance will report that participating farms have reduced cotton production by around 25 percent while increasing corn acreage by 50 percent and grain sorghum by 17.5 percent to take advantage of escalating grain prices.

CONTACT: Angela Beikmann, senior business assistant, Texas Alliance for Water Conservation, Texas Tech University, (806) 742-2774, or angela.beikmann@ttu.edu.



TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

Date: July 25, 2008

CONTACT: John Davis, john.w.davis@ttu.edu
(806) 742-2136

Texas Tech Curator Featured on History Channel Program About Prehistoric Monsters

Once upon a time, monsters inhabited our planet.

Then they disappeared.

"Prehistoric Monsters Revealed," a new program airing at 8 p.m. Monday (July 28) on The History Channel calls upon the expertise of Texas Tech researchers as scientists try to discover through paleo-forensics what caused the demise of some of the most ferocious animals ever to walk, swim or fly across the face of the Earth.

The History Channel is Suddenlink Cable Channel 62 in Lubbock.

Sankar Chatterjee, curator of paleontology at The Museum of Texas Tech University and Paul Whitfield Horn Professor of Geosciences and Museum Sciences, said he discussed with show creators the work he and others have done concerning pterosaurs, which were the first vertebrates to evolve the power of flight.

These flying reptiles lived 228 to 65 million years ago from the late Triassic Period to the end of the Cretaceous Period. They dominated the Mesozoic sky, swooping over the heads of dinosaurs. Their sizes ranged from a sparrow to a Cessna plane with a wingspan of 35 feet, he said. Their bodies featured lightweight bones and an intricate system of collagen fibers that added strength and agility to their membranous wings.

"These animals take the best part of bats and birds," Chatterjee said. "They have the maneuverability of a bat, but they could get very large and glide like an albatross. Nothing alive today compares to the performance and agility of pterosaurs. They lived for 160 million years, so they were not stupid animals. The skies were darkened by flocks of them. They were the dominant flying animals of their time, but they could also walk, run and sail."

Recently, Chatterjee has studied one of the smaller pterodactyls, called a *Tapejara wellnhoferi*, which featured a large, thin rudder-like sail from its head that functioned as a sensory organ. Though putting the tail section at the nose of an airplane would seem like a design failure, his research into *Tapejara*'s movement and flight showed that the rudder

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served as a flight computer in a modern-day aircraft and also helped with the animal's turning agility. But not only that, males would use it for sexual display to attract females.

"Their locomotion is one of the most complicated things to study because you have to have a complete skeleton," Chatterjee said. "Their bones were so light that often they were crushed throughout the ages. There was no way for us to study such things before the discovery of a complete Tapejara in Brazil about 10 years ago.

"We've found they could actually sail on the wind for very long periods as they flew over the oceans. They spent most of their time hunting for fish. By raising their wings like sails on a boat, they could use the slightest breeze in the same way a catamaran moves across water. They could take off quickly and fly long distances with little effort."

CONTACT: Sankar Chatterjee, curator of paleontology at the Museum of Texas Tech and Horn Professor of Geosciences, (806) 742-1986 or sankar.chatterjee@ttu.edu.



TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 28, 2008

CONTACT: John Davis, john.w.davis@ttu.edu
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Texas Tech Textile Scientist Receives International Award at PFT 2008 Conference

Seshadri Ramkumar who supervises the Nonwovens and Advanced Materials Laboratory at Texas Tech University, was recognized at the Performance Wear Functional Textiles – PFT 2008 international conference, which ran July 24-25 at the PSG College of Technology in Coimbatore, India.

Ramkumar was awarded the Technical Textiles Accomplishment Award for his nonwovens research and promotion of technical textiles field.

He and his associates recently released a report that predicts a yearly growth of 13.3 percent for India's technical nonwoven and technical textile industry, which is more than twice the annual 5 to six percent expected growth patterns in the United States and Europe.



TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 30, 2008

CONTACT: Sally Logue Post, sally.post@ttu.edu
(806) 742-2136

Texas Tech Named a "Best in the West" College by the Princeton Review

Texas Tech University is one of the best colleges and universities in the West according to The Princeton Review. The New York City-based education services company selected the school on its Website feature 2009 Best Colleges: Region by Region.

"We are honored to be chosen as one of the Best Colleges in the West," said Texas Tech University System Chancellor Kent Hance. "Being honored in this way allows us to continue to recruit the best students and faculty to our university. Top students use resources like The Princeton Review when choosing a university and they will be able to see that Texas Tech is one of the best."

"It flattering to be ranked high in this national survey," said Michael Shonrock, Texas Tech vice president for student affairs and enrollment management. "As the Princeton Review relies heavily on student input to develop its ratings, it tells me that we are providing a great education and an exceptional college experience for graduates."

The Princeton Review is a New York-based company known for its test preparation courses, books, and college admission and other education services. It is not affiliated with Princeton University and it is not a magazine.

"We commend all of the schools we name this year as our 'regional best' colleges primarily for their excellent academic programs," said Robert Franek, Princeton Review's vice president of publishing. "We selected them based on institutional data we collected from several hundred schools in each region, our visits to schools over the years, and the opinions of independent and high school-based college advisors whose recommendations we invite. We also take into account what each school's customers -- their students -- report to us about their campus experiences at their schools on our 80-question student survey. Finally, we work to have our annual roster of 'regional best' colleges present a range of institutions in each region that varies by size, selectivity, character and locale."

The Princeton Review survey for this project asks students to rate their own schools on several issues -- from the accessibility of their professors to quality of the campus food -- and answer questions about themselves, their fellow students, and their campus life.

The Princeton Review does not rank the colleges in its Best Colleges: Region by Region Web site section.

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TEXAS TECH UNIVERSITY

News Release

FOR IMMEDIATE RELEASE

DATE: July 30, 2008

CONTACT: Leslie Cranford, leslie.cranford@ttu.edu
(806) 742-2136

Texas Tech T-STEM Center Invites Public to Student Rocket Launch

This one really is rocket science!

Look! Up in the sky! It's a bird. It's a plane. No – it's a rocket, launched from the campus of Texas Tech University.

Texas Tech's T-STEM Center invites the public to bring their lawn chairs at 2 p.m. Friday (Aug. 1) to Urbanovsky Park (just east of the United Spirit Arena) to watch high school and middle school students showcase and launch rockets built during a week-long engineering camp. The camp sessions are taking place all week in the United Spirit Arena City Bank Conference Rooms.

The T-STEM (Texas-science, technology, engineering, math) Center received a \$123,000 grant to fund the camp under a joint initiative by the Texas Workforce Commission and the Higher Education Coordinating Board, aimed at motivating students in STEM education.

"The Texas Workforce Commission has given our T-STEM Center an important opportunity to develop much-needed summer programs for students and to sustain proven models already thriving at Texas Tech," said Dean Fontenot, managing director of the center.

John Chandler, co-director of the center, knows too, that the camp helps college-bound students be more prepared in particular subjects.

"We look forward to expanding our efforts to ensure that Texas students are college-ready and prepared for careers in tomorrow's increasingly technology-driven economy," Chandler said.

The camp challenges students to sharpen their math, science and technology skills as they discover engineering, while building and launching high-flying rockets. Sixty campers, ages 14-19, will investigate the physics that affect the stability of their rockets, and learn the mathematics needed to predict how high and fast they will go. The students will acquire engineering skills by designing a series of rockets that get more sophisticated as each design challenge gets more complicated. To test their designs, they will learn to use simulation software, altimeters and other technologies that engineers use. They also will participate in related activities throughout the week, including a Star Party at the Moody Planetarium.

CONTACT: John Chandler, co-director, Texas Tech University T-STEM Center,
(806) 742-3451, or john.chandler@ttu.edu.



TEXAS TECH UNIVERSITY

Advisory

FOR IMMEDIATE RELEASE

DATE: July 31, 2008

CONTACT: Sally Logue Post, sally.post@ttu.edu
(806) 742-2136

News Conference Introducing Guy Bailey as Texas Tech President

WHAT: News conference

WHEN: 10 a.m. Monday (Aug. 4). A public reception follows at 10:30 a.m.
Parking for the media and the public is available in the lot west of Jones AT&T Stadium.

WHERE: Frazier Alumni Pavilion, Drive of Champions and Red Raider Avenue, across from Jones AT&T Stadium.

EVENT: Introduction of Guy Bailey, 15th president of Texas Tech, by Kent Hance, chancellor of the Texas Tech University System.

A new picture of Bailey is available at www.depts.ttu.edu/communications/media/executive-staff.php. Please use this picture for print, broadcast and Web stories.

CONTACT: Sally Logue Post, associate director, Office of Communications and Marketing, (806) 742-2136 or sally.post@ttu.edu.