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# Texas Tech News

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136  
Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: B. Zeeck

LUBBOCK--A Livestock and Money Symposium highlighting production, marketing and government regulations will take place at Texas Tech University on Sept. 22.

Sponsors for the symposium, expected to be the first of an annual event, include the Texas Tech University College of Agricultural Sciences, the Ranching Heritage Association, the National Cattlemen's Association, the American Quarter Horse Association, the National Wool Growers, the Texas and Southwestern Cattle Raisers Association, the Texas Sheep and Goat Raisers Association and the Texas Cattle Feeders Association.

The symposium, from 10 a.m. to 2:30 p.m., will precede an evening Prairie Party when the National Golden Spur Award will be presented for the first time to an individual for contributions to the livestock and ranching industry. This year's award will go to Albert K. Mitchell of the Tequesquite Ranch in Albert, N.M.

More than 1,000 are expected to attend the Prairie Party, beginning at 6:30 p.m. in the Lubbock Memorial Civic Center.

At the symposium speakers will include Gene Edwards, chairman of the board of the First National Bank, Amarillo; William "Bill" Farr of Farr Feedlots, Greeley, Colo.; Barbara Keating, president of Consumer Alert; Everett Harris, long-time

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president of the Chicago Mercantile Exchange; and Robert Jensen, head of the Department of Nutrition, University of Connecticut.

Edwards will discuss future financing for livestock production. Farr's emphasis will be on the impact of government regulations on livestock production.

The Chicago Mercantile Exchange deals in futures for all livestock commodities and in recent years has expanded operations to deal in currencies and metals. Harris' participation will emphasize these aspects of marketing.

Keating will be the luncheon speaker. She was given a standing ovation after her address at the recent national meeting of the CowBelles and is scheduled later this year to address the Texas Cattle Feeders Association.

Jensen's nutritional studies have demonstrated the value of red meat in the human diet, and he is expected to answer those who recently have been admonishing the public to abstain from red meat.

Representatives of each of the sponsoring organizations have served on a committee planning the symposium. The committee is headed by Dr. A. Max Lennon, Associate dean for research in the College of Agricultural Sciences at Texas Tech.

Cost of the symposium is \$15. Preregistration checks should be sent to the Ranching Heritage Association, The Museum of Texas Tech University, Lubbock, Texas 79409.

The association supports the Ranching Heritage Center at The Museum. The center is a 12-acre outdoor exhibit of more than a score of authentic ranch structures restored to depict the history of ranching in the American West.

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LUBBOCK--Albert Knell Mitchell, whose ranching life has spanned the era from the 19th century free range to the age of the airborne cowman, has been named by his peers to receive the first National Golden Spur Award Sept. 22.

The award honors an individual who has brought distinction to the livestock and ranching industry.

Cooperating in the award are the American Quarter Horse Association, the National Cattlemen's Association, National Wool Growers Association, Ranching Heritage Association, the Texas and Southwestern Cattle Raisers Association and the Texas Sheep and Goat Raisers Association.

The award will be presented at a Prairie Party expected to draw a crowd of more than 1,000 to the Lubbock Memorial Civic Center. The party will feature the best of historic ranch entertainment, frontier fashions and dancing. Tickets, available from the Ranching Heritage Association, are \$15 each and any proceeds benefit the Ranching Heritage Center of The Museum of Texas Tech University.

Mitchell's award is expected to be the first of an annual National Golden Spur Award.

Mitchell's ranch is the Tequesquite at Albert, N.M. He was

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born in 1894 in Clayton, N.M., when his father, Thomas E. Mitchell, was running cattle and sheep on the open range.

After his schooling at Occidental College in California and Cornell University in New York, his father took him into partnership, calling the business the T. E. Mitchell & Son Ranch. Father and son ran the first herd of registered Herefords in New Mexico.

In addition to developing his own ranch, Albert Mitchell took over management of the Bell Ranch in New Mexico in 1933, helped it to "hold on" during Depression and drought, and in 1947, with two associates, bought the property, divided it into seven ranches and disposed of them.

Eastern bankers who had purchased the Matador Ranch asked Mitchell in 1950 to manage the sale of its two divisions, a total of 820,000 acres.

While an acknowledged leader among skilled ranch managers, Mitchell also could do any job any cowboy ever did. Yet he took time for public service on a local, statewide and national scale. He learned to pilot his own plane in order to save time.

He was elected to the New Mexico State Legislature for two terms, represented New Mexico on the Republican National Committee, 1942-65, was vice chairman for three years of that body and served as chairman for one national party convention.

He headed a great many livestock organizations: the International Livestock Exposition in Chicago, the National Western Stock Show in Denver, the National Livestock and Meat Board, 1940-44, the American Hereford Association, the New Mexico Cattle Growers Association, the American Quarter Horse Association, the American



mitchell/add two

National Cattlemen's Association and the Board of Trustees of the Cowboy Hall of Fame and Heritage Center.

His portrait hangs among the select few in the Saddle and Sirloin Club in Chicago and, in 1976, he was named to the Cowboy Hall of Fame's Great Hall of Westerners.

In government Mitchell's memberships have included the National Advisory Committee for the U.S. Department of Agriculture, the Livestock Industry Advisory Committee on hoof and mouth disease, which he chaired; the Advisory Committee of the Commodity Credit Corp., Agricultural Research Administration; and the National Livestock Tax Committee, which he chaired.

Mitchell has served on the board of directors of the Denver branch of the Federal Reserve Bank, the First National Bank of New Mexico, the American Potash Corp., the Denver U.S. National Bank, the American Gypsum Co., the Albuquerque Production Credit Association and the Colorado Interstate Gas Co.

Jay Taylor of Amarillo, who is himself internationally honored as a cattleman and oilman, has said of Mitchell:

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"Albert Mitchell is Mr. No. 1 in the cattle industry; he is public spirited, never too busy to be of service, not only in livestock circles but also in other fields; always ahead of the hounds to find solutions to problems before they become serious. Moreover, he has the best reputation of anybody I know."

Mitchell's only son, Albert, now operates the Tequesquite Ranch. His only daughter, Linda Mitchell Davis, lives in Cimarron, N.M. Mitchell's current residence is in Madison, Conn.

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The Prairie Party, at which Mitchell is to be honored, is open to the public. Tickets, at \$15 for individuals or \$120 for tables of eight, are available by writing the Ranching Heritage Association, P.O. Box 4499, Lubbock, Texas 79409.

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LUBBOCK--Tales of the miraculous cures of a woman once known as the Saint of Cabora, her ability to see the unseen and know the yet unknown are legendary in northern Mexico and southwestern United States.

But until the publication of "Teresita" by W. Curry Holden fact and legend had not been separated to tell the true story of the handsome mestiza who devoted her life to service of the poor and so encountered the fear of the powerful.

Dr. Holden, professor emeritus of history at Texas Tech University, spent 20 years matching legend against fact and in this book paints Teresa Urrea, born Nina Garcia Nona Maria Rebecca Chavez, as she probably really was: a genteel lady of her time with hypnotic power, a prodigious knowledge of herbal medicine and, beyond that, an inexplicable capability for faith healing.

The book, published by Stemmer House, includes 18 pen and ink drawings by Jose Cisneros, the well-known Mexican-American artist.

Born in 1873, Teresita was the illegitimate daughter of a wealthy Mexican landowner and an Indian woman. She became a favorite of her father Don Tomas Urrea who maintained several

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teresita/add one

ranches, one at Cabora, southeast of Hermosilla between the Yaqui and Mayo rivers.

It was here that Teresita fell into a trance and awakened with healing skills so heightened that great crowds, mostly of the poor, streamed onto the ranch seeking her cures. To them she became a legend and a saint they called the Saint of Cabora.

Although she steadfastly rejected any political affiliation, peasants raised their first bloody revolts against the Porfirio Diaz regime in her name and under a banner dedicated to her.

Diaz eventually had her banished under armed guard to the U.S. border, with an edict never to return. She settled with her father in Arizona, first at Nogales. Later she lived in El Paso, Tex., then moved back to Clifton, Ariz.

Her work in Arizona came to the attention of medical doctors and wealthy Californians. As a result of newspaper publicity in California, a so-called "medical company" hired her to tour the United States, ministering to the poor at no charge to the patients.

"Had she been able to confer with her father, Teresita probably would have been deterred from accepting the company's proposal," the author said.

She did accept, however, and newspapers in St. Louis and New York recorded her travels. Teresita, however, became disillusioned with the medical company, and, returning to Arizona in 1904, she finally moved back to Clifton where she died of tuberculosis on Jan. 11, 1906.

Holden is the author of a dozen other books dealing with Mexico and southwestern United States. The Texas Institute of



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Letters designated his "Espuela Land and Cattle Co. Ltd." as the 1970 "Best Book on Southwestern History," and last year he and Mrs. Holden were made honorary members of the Texas Society of Architects for their work in historic preservation.

For his book "Teresita" the Holdens interviewed descendants of Don Tomas Urrea and others close to the scene of Teresita's most memorable years and searched historic archives and fading accounts.

The author does not try to explain Teresita's powers, but, rather, he leaves the reader with a feeling of mystery which must be akin to that felt by those who benefited from her ministrations or were witness to them.

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LUBBOCK--Abstract expressionism, with its drips, splashes, vast canvases and giant names like Jackson Pollock, Willem de Kooning and Adolph Gottlieb, is known to most Americans primarily from prints.

This will change for West Texans with an American abstract expressionist exhibit opening Sunday, Sept. 3, in The Museum of Texas Tech University.

"This is an exhibit which requires visitors to leave preconceived notions of art at the front door," Museum Director Leslie C. Drew says.

"We expect most of the viewers to find understanding difficult at first, but as they recognize the elements of art -- line, shape, color and space -- seeing how each one carries a message, they they will be able to read the language of the artists in this magnificent collection.

"It is increasingly difficult to assemble works of the character and quality of this exhibit outside of New York and The Museum is fortunate in being able to provide this collection to the public."

Dr. Drew said the exhibit is made possible through the generosity of Houston's Sarah Campbell Blaffer Foundation.

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expressionism/add one

The West Texas Museum Association invites the public to the opening reception, 2:30 to 4 p.m., and to a 2:30 p.m. lecture by Joan French Seeman of the University of Houston art history faculty. The Blaffer Foundation has engaged Seeman to introduce those unfamiliar with abstract expressionism to the exhibit.

The exhibit is from the collection of Sarah Campbell Blaffer, heiress to two major oil fortunes, who had acquired and disposed of more art than most people see in their lifetime by the time she died in 1975 at the age of 91.

Gilbert Denman, a long-time friend and Blaffer Foundation Board member, said that Mrs. Blaffer "was more interested in getting this art before people who might not understand it than before scholars and connoisseurs."

Her daughter, Jane Blaffer Owen, added that her mother "never forgot the hunger of people in small towns for excellent things, and the intelligence of such people."

Artists represented in the show include: William Baziotes, James Brooks, de Kooning, Sam Francis, Helen Frankenthaler, Robert Goodnough, Arshile Gorky, Gottlieb, Phillip Guston, Grace Hartigan, William S. Hayter, Hans Hofmann, Franz Kline, Lee Krasner, Conrad Marca-Relli, Andre Masson, Matta (Roberto S.A. Matta E.), Joan Mitchell, Robert Motherwell, Barnett Newman, Pollock, Ad Reinhardt, Mark Rothko, Clyfford Still, Mark Tobey, Bradley Walker Tomlin and Jack Tworkov.

The exhibit will remain on display at The Museum through Oct. 16 and will be followed on Oct. 22-Nov. 25 by "Old Master Paintings," another exhibit from the Blaffer Foundation.

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FLYING HIGH--Pat Klous, a former Texas Tech University student in advertising art, will have one of the lead roles in a prime time CBS show this fall, "Flying High." The show is about the lives of three flight attendants. Klous, who is from Wichita Falls, Texas, will be featured on the show as a typical Texas beauty from Sweetwater. She was in Lubbock early this week to visit her grandfather, A. F. Klous, 2801 27th Street. Her favorite teacher at Texas Tech, Pat said, was Dr. Elizabeth Sasser, of the Architecture Department. (Tech Photo)

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LUBBOCK--Eleven students representing colleges in Texas, Oklahoma, Indiana, Pennsylvania and England have been engaged this summer in sophisticated engineering research projects at Texas Tech University.

Each was chosen for the National Science Foundation's Undergraduate Research Program (URP), designed to recognize talented students and give them the opportunity to engage in research.

Dr. Erich E. Kunhardt of the electrical engineering faculty is program director.

"Each student is assigned a research project which can expand his or her knowledge and help students experience the creativity found in scientific and engineering discovery," he said. "The projects assigned closely match the interest and background of each student. Professors advise students and supervise their summer work."

Among the students who participate in URP, Kunhardt said, many often discover their first real interest in research and elect to pursue that interest throughout their careers.

Students selected for the program, usually from the fields of engineering, science or mathematics, have developed a high

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degree of self-motivation and have demonstrated outstanding scholastic ability.

"Accomplishments of the 1978 group are outstanding," Kunhardt said.

All of the research projects relate to energy or other current problems in society. Two of the students were assigned tasks in the Crosbyton Solar Power Project, which has the goal of increasing energy resources of small communities while cutting utility bills. Other research projects relate to alternative sources of energy, high voltage switching and computer technology.

Participants this summer include:

Richard Baugh, son of Mr. and Mrs. Lawton V. Baugh of Athens, who, under the direction of Prof. Martin A. Gunderson, is building a new kind of nitrogen gas laser which operates at an energy level far below the visible light spectrum in the infra-red region. The laser should be useful for uranium isotope separation, a process important in fission reactors. Baugh is a Texas Tech senior majoring in electrical engineering.

Stephen Beckerich, son of Mr. and Mrs. John F. Beckerich, 513 Park Lane, Richardson, also in electrical engineering at Texas Tech, is designing and constructing a "direct readout phase comparator" to measure the density of a plasma stream, important in research related to controlled nuclear fusion energy. His project directors are Horn Prof. Magne Kristiansen and graduate student Steve Knox.

Louis Carlock, son of Mr. and Mrs. Alfredo M. Carlock, 801 Fort Blvd, El Paso, University of Texas at El Paso sophomore

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electrical engineering major, is working under the direction of Prof. Jerry R. Dunn to construct equipment necessary to do performance testing of flat plate solar collectors designed for residential heating and cooling applications.

Herbert Chiremba of Rhodesia and Newcastle-upon-the-Tyne in England is a Texas Tech electrical engineering student working with Dr. Kristiansen and physics Prof. Lynn L. Hatfield on a laser operated switch involving a small pulse generator which will generate high voltage pulses. The ultimate goal is a switch used for very rapid switching in the range of one one-thousandth of a second.

Joe Grady, son of Mr. and Mrs. Henry H. Grady, 4909 17th Place, Lubbock, Texas Tech mathematics student, is working with Prof. John D. Reichert on the Crosbyton Solar Power Project in developing a method to give quick and accurate approximations of the concentration of the sun's energy as its rays strike a conical receiver.

Augustus Oliver, son of Mr. and Mrs. A. C. Oliver, 416 Houston, Borger, Frank Phillips College sophomore, is working with Prof. John F. Walkup in the Electrical Engineering Optics Laboratory on design of an image processing system used to restore the quality of a noisy (or grainy) image.

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# Texas Tech News

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Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

CONTACT: B. Zeeck

LUBBOCK--Eleven students representing colleges in Texas, Oklahoma, Indiana, Pennsylvania and England have been engaged this summer in sophisticated engineering research projects at Texas Tech University.

Each was chosen for the National Science Foundation's Undergraduate Research Program (URP), designed to recognize talented students and give them the opportunity to engage in research.

Dr. Erich E. Kunhardt of the electrical engineering faculty is program director.

"Each student is assigned a research project which can expand his or her knowledge and help students experience the creativity found in scientific and engineering discovery," he said. "The projects assigned closely match the interest and background of each student. Professors advise students and supervise their summer work."

Among the students who participate in URP, Kunhardt said, many often discover their first real interest in research and elect to pursue that interest throughout their careers.

Students selected for the program, usually from the fields of engineering, science or mathematics, have developed a high

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degree of self-motivation and have demonstrated outstanding scholastic ability.

"Accomplishments of the 1978 group are outstanding," Kunhardt said.

All of the research projects relate to energy or other current problems in society. Two of the students were assigned tasks in the Crosbyton Solar Power Project, which has the goal of increasing energy resources of small communities while cutting utility bills. Other research projects relate to alternative sources of energy, high voltage switching and computer technology.

Participants this summer include:

Richard Baugh, son of Mr. and Mrs. Lawton V. Baugh of Athens, who, under the direction of Prof. Martin A. Gunderson, is building a new kind of nitrogen gas laser which operates at an energy level far below the visible light spectrum in the infra-red region. The laser should be useful for uranium isotope separation, a process important in fission reactors. Baugh is a Texas Tech senior majoring in electrical engineering.

Stephen Beckerich, son of Mr. and Mrs. John F. Beckerich, 513 Park Lane, Richardson, also in electrical engineering at Texas Tech, is designing and constructing a "direct readout phase comparator" to measure the density of a plasma stream, important in research related to controlled nuclear fusion energy. His project directors are Horn Prof. Magne Kristiansen and graduate student Steve Knox.

Louis Carlock, son of Mr. and Mrs. Alfredo M. Carlock, 801 Fort Blvd, El Paso, University of Texas at El Paso sophomore

urp/add two

electrical engineering major, is working under the direction of Prof. Jerry R. Dunn to construct equipment necessary to do performance testing of flat plate solar collectors designed for residential heating and cooling applications.

Herbert Chiremba of Rhodesia and Newcastle-upon-the-Tyne in England is a Texas Tech electrical engineering student working with Dr. Kristiansen and physics Prof. Lynn L. Hatfield on a laser operated switch involving a small pulse generator which will generate high voltage pulses. The ultimate goal is a switch used for very rapid switching in the range of one one-thousandth of a second.

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urp/add three

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cutlines-----

UNDERGRADUATE RESEARCH PROGRAM--Samuel Schreiber, right, Rice University physics student from Pittsburg, Pa., is a participant this summer in the National Science Foundation Undergraduate Research Program at Texas Tech University. He checks calculations he has developed for the Crosbyton Solar Power Project with his supervising professor, Dr. John D. Reichert, project director for the Crosbyton research. The Crosbyton Project is designed to develop techniques allowing small communities to make use of solar energy as a source of power. (Tech Photo)

cutlines-----

UNDERGRADUATE RESEARCH PROGRAM--Richard Baugh, left, of Athens demonstrates his summer research project for Dr. Russell H. Seacat, chairperson of the Department of Electrical Engineering at Texas Tech University. As a participant in the National Science Foundation Undergraduate Research Program at Texas Tech, Baugh is building a new kind of nitrogen gas laser, using a cylindrical hollow graphite cathode. Baugh is an electrical engineering major at Texas Tech. (Tech Photo)

cutlines-----

UNDERGRADUATE RESEARCH PROGRAM--Stephen Beckerich, left, of Richardson duscusses his summer research project with Dr. Marion O. Hagler, director of the Center for Energy Research at Texas Tech University. As a participant in the 1978 National Science Foundation Undergraduate Research Program at Texas Tech University, Beckerich was assigned the design and construction of a direct readout phase comparator to measure the density of a plasma stream. The research is important in studies of controlled nuclear fusion energy. (Tech Photo)

cutline-----

UNDERGRADUATE RESEARCH PROGRAM--Paul Vancil, right, Texas Tech electrical engineering student from Ballinger, is a participant in the National Science Foundation 1978 Undergraduate Research Program at Texas Tech University. He explains to Program Director Erich E. Kunhardt his progress in building a digital word generator. In his summer research Vancil used microprocessors the single integrated circuits which are the heart of the mini-computers. (Tech Photo)

cutline-----

UNDERGRADUATE RESEARCH PROGRAM--Rodney Petr, left, Texas Tech electrical engineering student from Amarillo, works with Prof. T. R. Burkes of the electrical engineering faculty in constructing a spark gap apparatus used for switching high power. Petr's goal is the study of electrode erosion caused by switching. The project is a part of the 1978 National Science Foundation Undergraduate Research Program at Texas Tech University.

(Tech Photo)

cutline-----

UNDERGRADUATE RESEARCH PROGRAM--Herbert Chiremba, left, of Rhodesia and England is a 1978 participant in the National Science Foundation Undergraduate Research Program at Texas Tech University. He worked with Drs. Magne Kristiansen and Lynn L. Hatfield, right, on a laser operated switch to be used for very rapid switching in the range of one one-thousandth of a second. (Tech Photo)

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cutline-----

UNDERGRADUATE RESEARCH PROGRAM--Tim Sitberg, left, of Anderson works with Dr. William M. Portnoy of the Texas Tech University electrical engineering faculty on the construction of a vacuum system for an aluminum evaporator. Sitberg was a summer participant in the National Science Foundation Undergraduate Research Program at Texas Tech. He is an electrical engineering student at Rose-Hulman Institute in Terre Haute, Ind. (Tech Photo)

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cutline-----

UNDERGRADUATE RESEARCH PROGRAM--Louis Carlock, left, of El Paso works with Texas Tech mechanical engineering Prof. Jerry R. Dunn in the construction of equipment to do performance testing of flat plate solar collectors designed for residential heating and cooling applications. Carlock, who studies in the winter at The University of Texas at El Paso, is a summer participant in the National Science Foundation Undergraduate Research Program at Texas Tech University. (Tech Photo)

# Texas Tech News

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CONTACT: B. Zeeck

ATTN: General News Editors, Agriculture Editors

LUBBOCK--Is it possible that 8 cents a pound, or 8 to 11 percent, of the retail price of ground beef is directly attributable to the impact of 200 legal statutes, 41,000 regulations and 111,000 precedent-setting court cases on production and distribution of this meat?

An organization called the Consumer Alert Council (CAC) says the figures come from a National Science Foundation study, and CAC Chairman Barbara Keating is scheduled to talk about such government regulation when she addresses the Livestock and Money Symposium at Texas Tech University Sept. 22.

The symposium is sponsored by the Texas Tech College of Agricultural Sciences and six livestock and ranching related organizations, the American Quarter Horse, National Cattlemen's, National Wool Growers, Ranching Heritage, Texas and Southwestern Cattle Raisers, Texas Cattle Feeders and Texas Sheep and Goat Raisers associations.

Keating has said that CAC's intention is to press for reduced governmental involvement in the marketplace, when such involvement needlessly burdens the buying public and the business community with unnecessary costs, and to support government

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keating/add one

regulations when they are essential to the health, welfare or safety of Americans.

CAC objectives have had backing from such public figures as Arthur Godfrey, well-known entertainer and environmentalist; Richard Simpson, former chairman of the U.S. Consumer Product Safety Commission; author Taylor Caldwell; and William Simon, former U.S. Secretary of the Treasury and first administrator of the Federal Energy Office.

"The American consumer today is the victim of government policy which denies the public its inherent right to free choice in the marketplace in the name of public health and safety," Keating said.

"However, preserving freedom of choice in the marketplace and protecting the public health and safety are not incompatible. Protecting both rights are equal responsibilities of government."

The CAC approach to public issues having pocketbook impacts on the consumer is the voice of reason, she said.

Registration for the symposium, from 10 a.m. to 2:30 p.m., on Sept. 22 is \$15, including lunch. The event will precede an evening Prairie Party when the National Golden Spur Award will be presented for the first time to an individual for contributions to the livestock and ranching industry. This year's award will go to Albert K. Mitchell of the Tequesquite Ranch in Albert, N.M. Sponsors of the award are also among symposium sponsors.

Other symposium speakers will include: Gene Edwards, chairman of the board, First National Bank, Amarillo; William "Bill" Farr, Farr Feedlots, Greeley, Colo.; Everette Harris, long-time

keating/add two

president of the Chicago Mercantile Exchange; and Robert Jensen, head, Department of Nutrition, University of Connecticut.

Preregistration checks should be sent to the Ranching Heritage Association, The Museum of Texas Tech University, Lubbock, Texas 79409. Symposium sessions will be held at The Museum.

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18-8-24-78

# Texas Tech News

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LUBBOCK--Basic bronze casting will be offered this fall by the Texas Tech Art Department and Division of Continuing Education.

The short course, with a maximum enrollment of 15 persons, will be taught Monday nights, 6-9 o'clock, beginning Sept. 18 and concluding Nov. 20. Art Prof. John W. Queen will teach the workshop in the Sculpture Studio of the Art Department.

The course will include an introduction to foundry procedure, bronze casting and finishing of cast bronze sculpture. Production of finished bronze sculpture from wax models will be taught. The fee is \$40.

Additional information may be obtained from Prof. Queen in the Art Department. Registration will be handled by the Division of Continuing Education.

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CONTACT: B. Zeeck

LUBBOCK--John Murphy, fourth year architecture student at Texas Tech University, has spent the summer at what he considers the ideal job. He has been working in his chosen field and living at a rustic mountain retreat built near San Francisco at the turn of the century.

Murphy was part of a team of student architects selected from various colleges and universities to work for the Historic American Buildings Survey (HABS), an agency of the Heritage Conservation and Recreation Service of the U.S. Department of the Interior. The purpose is to record American buildings of historic and architectural significance.

Students, supervised by professors of architecture, make measured drawings of the buildings selected for the survey.

Murphy learned about the summer project when a professor, John White, who also works for HABS, lectured for a class in preservation. As a result of the lecture, several students submitted drawings to the Washington office, and on the basis of his drawings Murphy was selected to become a part of an HABS team in Santa Clara County, Calif.

The building in which Murphy lives as well as does his HABS work is a 10-room lodge with a large, beamed-ceiling living room,

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murphy/add one

two fireplaces, two gazebo-type porches and a large outdoor barbeque area surrounded by 100-foot redwood trees. It is in a mountainous area south of San Francisco.

Other members of Murphy's team are from Yale and Notre Dame universities, the University of Pennsylvania and the University of Illinois.

Their job includes measuring, laying out and inking of the standard mylar sheets on which HABS drawings are made. The completed drawings of the historic structure are sent to Washington for editing and then to the Library of Congress for cataloging and use in the future.

Murphy's home is 548 St. Augustine, Dallas.

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murphy/add one

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CONTACT: Becky Patterson

LUBBOCK--An unusual and striking sculpture dominates the front foyer of the Art Building of Texas Tech University. Called "Deluge," it is the work of Becky Thompson, senior painting major from Pampa.

The cascading sculpture is composed of 702 10-inch square ceramic slabs suspended from the ceiling at varying levels. At its highest point the sculpture is eight feet above the brick floor. The lowest square is suspended an inch above the floor.

Thompson terms the "powerful cascade of floating forms" as seeming to "float on top of a vast sea of hills." The work has also been described as a "rolling plain of floating slabs" and as a "dynamic representation of an undulating plane." Descriptions and reactions vary according to the viewers of "Deluge."

The strings suspending the squares have also been characterized as resembling rain, an observation which impresses Thompson. She explains that her inspiration for the sculpture emerged from Genesis:

"And it came to pass after seven days, that the waters of the flood were upon the earth...all the fountains of the great deep were broken up, and the windows of heaven were opened...And

deluge/add one

the waters prevailed exceedingly on earth. And all the high hills that were under the whole heaven were covered."

The sculpture required approximately six weeks to complete, Thompson said. She utilized some 700 pounds of clay and more than four miles of string. The unglazed squares first were sun-dried and then fired in a kiln.

"Deluge" necessitated approximately 50 hours for assembly. Each square had to be suspended from the ceiling with four black threads. The sculptress, atop a scaffolding erected near the ceiling, attached the strings to a wire grid suspended from the ceiling. She spent at least eight hours each day in tying knots, climbing scaffolding and adjusting the height of each square.

"It was fun to make," Thompson said. "But I got tired of tying knots. After all, there are 5616 knots holding it together."

Thompson maintains that she is primarily a painter. "Deluge" was conceived as a project for a sculpture class. Although she finds that much of her work reflects land shapes and natural forms, there is no set pattern to her work. "My work should stress my ideas and what I'm thinking at the time."

Because "Deluge" is not designed to be permanent, Thompson has been photographing it extensively. In approximately two weeks the sculpture will be removed from the foyer. The dynamic wave will be reduced to 702 white squares and a mass of strings, which Thompson will then set aside to await some future use.

deluge/add one

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cutline-----

SUMMER WORK--Texas Tech architecture student John B. Murphy spends his summer living and working in this 10-room mountain retreat and producing with other students an architectural record for the Historic American Buildings Survey (HABS), an agency of the Heritage Conservation and Recreation Service of the U.S. Department of Interior. (Department of the Interior Photo)

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# Texas Tech News

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CONTACT: Heinrich H. Steiner

LUBBOCK--Two contemporary poets, Drs. Walter R. McDonald and Daryl E. Jones, English professors at Texas Tech University, have been invited to Austin to read from their works on Sept. 10 in the Symphony Square, an amphitheater.

Sponsor is Texas Circuit, a non-profit organization dedicated to the promotion of poetry by bringing readers and writers together.

The organization is supported by 34 publishers and is involved in organizing book fairs and other promotional activities.

McDonald's poetry deals with a wide range of experiences, including topics such as joy of living, nature and death. "I am probing the dark as well as the light sides of life," he says.

Jones characterizes his work by saying, "I want to evoke emotions, writing primarily about love, aging, interpersonal relationships."

Both writers are contributors to numerous domestic and foreign literature journals.

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(Tech Photo)

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RANCHING HERITAGE CENTER

30 SECONDS

FOOTBALL SPOT

THE TRADITION OF RANCHING IS SYNONYMOUS WITH TEXAS AND  
IN A MAJOR RESTORATION PROJECT TEXAS TECH UNIVERSITY IS  
PRESERVING THE RANCHING HERITAGE ON THE HIGH PLAINS IN LUBBOCK.  
A TWELVE-ACRE OUTDOOR EXHIBIT DEPICTS THE HARDSHIPS AND TRIALS  
OF THE EARLY RANCHERS IN TEXAS. THE TWENTY-TWO, CAREFULLY  
RESTORED BUILDINGS ON THE SITE DATE FROM THE 1830'S TO 1910.  
VISITORS TO THE RANCHING HERITAGE CENTER ARE ABLE TO STEP BACK  
INTO THE PAST FOR A SAMPLE OF HOW THEIR FOREFATHERS LIVED AS  
THEY BROUGHT RANCHING INTO THE WEST. TEXAS TECH UNIVERSITY...  
PRESERVING AMERICA'S HERITAGE.

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26-8-25-78

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ATHLETICS/MUTUAL RESEARCH

30 SECONDS

FOOTBALL SPOT

TEXAS TECH UNIVERSITY'S RESEARCH PROGRAMS SUPPORT  
GRADUATE TEACHING, INTRODUCE UNDERGRADUATES TO THE JOY OF  
DISCOVERY, AND CREATE NEW IDEAS FOR THE BENEFIT OF PEOPLE  
EVERYWHERE. IN APPLIED RESEARCH, PRIORITY GOES TO THE AREAS  
OF FOOD . . . FIBER . . . FUEL . . . AND WATER. AT BOTH  
THE UNIVERSITY AND THE TEXAS TECH SCHOOL OF MEDICINE, RESEARCH  
QUALITY IS MEASURED, PARTLY, BY GROWTH: A TEN-FOLD INCREASE  
IN RESEARCH DURING THE LAST DECADE AT TEXAS TECH UNIVERSITY.

-30-

27-8-25-78

CONTACT: Prabhu Ponkshe

CUTLINE....

SO HELP ME GOD--- Calvin H. (Hank) Raulerson, former executive director of Texas Tech University's International Center for Arid and Semi-Arid Land Studies (ICASALS), in dark suit, being sworn-in as Assistant Administrator of the U. S. Agency for International Development (AID). The oath was administered by Alexander Shakow, acting administrator of AID. Mrs. Olive Raulerson was also present at ceremonies held at the State Department. Extreme right is Kevin Raulerson and to his left is Earl Jones, members of the family. (TECH PHOTO)

# TexasTechNews

UNIVERSITY NEWS AND PUBLICATIONS / P.O. BOX 4650 / TEXAS TECH UNIVERSITY / LUBBOCK, TEXAS 79409 / (806) 742-2136  
Residence telephones: Jane Brandenberger, Director, 829-2108 / Bea Zeeck, Associate Director, 296-7125 / Dan Tarpley, Manager, News Bureau, 792-5596

## RECREATIONAL FACILITIES

30 SECONDS

FOOTBALL SPOT

TEXAS TECH UNIVERSITY IS CONCERNED WITH PROVIDING A QUALITY EDUCATION...BUT THE UNIVERSITY ALSO IS FULFILLING THE RECREATIONAL NEEDS OF ITS MORE THAN 22,000 STUDENTS. TEXAS TECH WILL SOON BECOME ONE OF THE FEW SCHOOLS IN THE NATION TO HAVE A RECREATIONAL FACILITY DESIGNED BY STUDENTS...FOR STUDENTS. THE MULTI-MILLION DOLLAR STRUCTURE WILL FEATURE MODERN FACILITIES FOR HANDBALL, BASKETBALL, FENCING AND MUCH MORE. THERE WILL EVEN BE SAUNAS AND A STUDENT LOUNGE...ALL IN AN EFFORT TO DEVELOP A PROGRAM BEST SUITED TO THE NEEDS OF AN ACTIVE STUDENT POPULATION AT TEXAS TECH UNIVERSITY.

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28-8-25-78



hopkins/add one

Agency, United Nations. From 1969-75 he served with the Agricultural Research Service of the U.S. Department of Agriculture as assistant to the director of the Human Nutrition Research Division and as assistant director, Colorado-Wyoming Area. From 1966-69 he was chief of the Micronutrient Research Branch of the U.S. Food and Drug Administration.

Hopkins has been actively engaged in research for over 20 years and for 12 years was responsible for the research activity of other scientists at the Ph.D. level.

Probably most significant in his research were reports indicating the nutritional essentiality of vanadium in animals and chromium in humans. This work has since been substantiated by other groups of investigators.

A native of Colorado, Hopkins received the B.S. degree in 1957 and M.S. in 1959 from Colorado State University and Ph.D. in nutrition-biochemistry from the University of Wisconsin in 1962.

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CONTACT: Dan Tarpley

LUBBOCK--Dr. Leon L. Hopkins, whose teaching, research and administrative background lend him a global perspective of the problem of feeding the world, has been named chairperson of the Department of Food and Nutrition at Texas Tech University.

Home Economics Dean Donald S. Longworth announced his appointment and assumption of duties with the department, housed in the new Home Economics Annex.

With the recent move into new facilities and appointment of the new chairperson, the department will expand its curriculum and research. This expansion will entail close cooperation with many other colleges and departments of the university, Hopkins said. There will be particularly close association with the colleges of Agricultural Sciences, Business Administration and Arts and Sciences and the School of Medicine.

"Dr. Hopkins brings many years of teaching, administration and research into the areas of human and animal nutrition to the department," Longworth said. "He will make a remarkable contribution to our college and, we believe, to the entire university."

During the past three years Hopkins has headed the Animal Production and Health Section of the International Atomic Energy

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hopkins/add one

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CONTACT: Dan Tarpley

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LUBBOCK--Re-run, of a 35mm short course in mid-September open to residents of the South Plains, has been announced by Texas Tech University.

"Beginning Photography, a short course that opened 17 months ago, has graduated 17 groups totaling 400 persons from off-campus," stated John McKinney, adjunct professor of the Mass Communications faculty. "And total students trained may reach 500 to 600 by Christmas."

Some amateur photographers drive from as far away as 90 miles. Men and women have been equally divided in number. Students range in age from teenagers to 75 and in experience from "just bought my camera" to a few professionals.

The popular course, thought to be one of the longest running short courses in the 53-year history of the university, will meet on Thursdays from 6:30-9:30 p.m. for six weeks starting Sept. 14. "If history repeats, identical classes will be scheduled for other nights to accommodate overflow of applicants," McKinney said.

Continuing to teach the course, McKinney will again implement a photography-learning concept he developed while a Peace Corps volunteer at the Universiti Pertanian Malaysia. The veteran teacher, a former cover photographer, has taught photography

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photo short course/add one

intermittently over the past 25 years. He studied at the New York Institute of Photography and has traveled 40 countries on five continents.

Tuition is \$30 per person. At the end of the course a certificate will be awarded to each qualifying student. To obtain a folder giving details of course content and enrollment forms contact Mass Communications Department, phone 742-3385.

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CONTACT: Dan Tarpley

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on file

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CONTACT: Heinrich H. Steiner

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LUBBOCK--Practically every day food-related stories are in the news. Experts warn of fad diets, stress the importance of fiber and express concern about overweight.

Not many individuals know precisely how to react when confronted with these often controversial views.

At Texas Tech University a new course will be offered this fall to teach students scientifically good nutrition and give them documented information about contemporary food issues.

Dr. Leon L. Hopkins, chairperson of the Department of Food and Nutrition, announced the freshman course, "Nutrition for Today," for the fall semester.

To be a survey for non-home economic majors the course will emphasize nutrition, dieting, additives, food consumption patterns, nutritional labeling, food regulations and world food problems.

According to the new chairperson, there is an increasing nationwide interest in food problems, nutrition, dieting and weight control. People are beginning to understand the impact of a proper diet but often are relying on information from health books by authors whose information is not always reliable.

"Many of the authors have become widely known and even

-more-



food problems/add one

rich through disseminating information which is often erroneous and harmful," Hopkins said.

"We have two basic reasons for offering the course and urging non-home economics students to take it.

"First, it offers information to which every person should have access. Good nutrition is a personal thing. It helps a person to feel better and look better. It contributes to job performance and to all activities on and off the job.

"Secondly, students learn fundamentals of good nutrition, then become a medium for passing along good information to their families and friends. They carry the proper facts by word of mouth to others in social gatherings, over bridge games, at parties. They become evangelists of correct nutrition and counteract much misinformation arising from fad diets and books that were written and published primarily for profit."

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cutline-----

UPPER VOLTA--Texas Tech University political scientist Dr. Richard Vengroff, left, stationed in Upper Volta for the last year, discusses progress made on a range management project in that nation with Dr. Harold E. Dregne, director of Tech's International Center for Arid and Semi-Arid Land Studies (ICASALS). Vengroff is in Lubbock this week on home leave. He is part of a three-member team stationed in Upper Volta to assist that nation's government in identifying areas where range management programs will have high probability of success. Upper Volta is one of the few West African countries with a democratic government. The project is funded by the Agency for International Development (AID). (Tech Photo)

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CONTACT: Marcia Lundy

ATTN: Agricultural Editors

LUBBOCK--More than 80 industry representatives will attend a Feedmill Management Seminar at the Texas Tech University Lubbock County Field Laboratory feedmill on Sept. 12.

The laboratory is east of New Deal on Farm Road 1729.

The seminar is co-sponsored by the Texas Tech College of Agricultural Sciences and the Allied Industries Committee of the Texas Cattle Feeders Association (TCFA).

Sessions will begin at 9 a.m. when Dr. A. Max Lennon, assistant dean for research of the college, welcomes participants and makes introductions.

A discussion on "Energy Costs--What Can You Do About Them?" will be directed by Dr. James H. Strickland, Texas Tech associate professor of mechanical engineering; Dr. John McNeil, extension livestock specialist, Texas Agricultural Extension Service; and Dr. Hollis Klett, Nutrition Service Associates, Inc., consultant.

Dr. C. Reed Richardson of the Texas Tech animal science faculty and seminar coordinator will join Dr. Chet Fields, Farr Better Foods nutritionist, in discussing "Quality Control and Inventory Control--How Important?"

-more-

seminar/add one

"Medicated Feeds--An Update on Regulation" will be led by Dr. Richard McDonald, executive director of TCFA; Tom Snodgrass, DVM, regional veterinary medical officer of the Federal Drug Administration, Dallas; and I. J. Shenkir, assistant director of feed for Texas Feed and Fertilizer Control Service.

In the afternoon Joel Goucher, agri-business manager for Ordway-Saunders Co., and Lee Stampe, American Cattle Feeders general manager, will discuss "Safety and OSHA--What's Your Plan?"

Jack Hamil, general manager of the Hi-Pro Division of Friona Industries, Inc., will talk about "Preventive Maintenance--How and When," followed by Dr. Leo Vermedahl, general manager of Coronado Feeders, on "What I Expect From My Mill Manager."

The seminar is open to the public. The registration fee is \$10, which covers the luncheon. Registration forms and further information may be obtained from the Texas Cattle Feeders Association, 2915 S. Georgia, Amarillo, 79109.

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