

February 9-12,  
1988

[illegible]



FOR IMMEDIATE RELEASE

REF: 1-2-9-88

By Beverly Taylor

(MEDIA ADVISORY: You are invited to attend the ceremony on Friday Feb. 12 in the Natural Science Research Laboratory at the museum. The lab is located just south of the museum. Take the service entry off Indiana Avenue and go to the first parking lot. Robert Baker is also available for interviews and features about mammalian genetics, population variation and other topics. Contact him at 742-2485 or 742-2702.)

LUBBOCK -- Long a part of life in West Texas, the bobcat is destined to keep its place in the area ecology.

A bobcat collected 15 miles south of Post will be dedicated Friday as the 50,000th specimen in the Museum of Texas Tech University's Collection of Recent Mammals. The milestone is a distinction which places the collection among the top seven university mammal collections.

The dedication ceremony will begin at 3 p.m. Friday in the Natural Science Research Laboratory which houses the research-oriented mammal collection.

Only six other universities -- University of California, Berkeley; Harvard University, University of Michigan, University of Kansas, University of Illinois and University of New Mexico -- boast more than 50,000 specimens, according to Robert Baker, curator/director of the Natural Science Research Laboratory and Horn Professor of biology and museum science.

-more-



"In the scientific community, Texas Tech is viewed as the best university in the country to get a degree in systematic mammalogy and the mammalogy collection is a big part of the reason," Baker said. "The academic program is structured around the collection and the collection's uniqueness and organization allow students to use it and learn from it in a way many universities do not use their collections."

The program can lead to a master's or doctoral degree. Texas Tech graduates have been curators at university collections, including ones at Harvard, Texas A&M and University of New Mexico, and museum collections, including the Carnegie Museum of National History, the U.S. Fish and Wildlife Service, Denver Museum of Natural History, Transvaal Museum in Pretoria, South Africa and others.

The collection includes nearly all orders of mammals and most continents' mammal populations are fairly well represented, he said. In addition, the collection includes 17,000 vials of frozen tissue which are used in the basic research mission of the collection -- the study of mammalian systematics and genetics.

"Through the collection, we are creating a permanent record of mammals which have lived in various areas in various times," Baker said. "We are documenting their size, weight and other physical characteristics and, through the frozen tissues, we have a record of genetic make-up."

The purpose of the collection is to provide basic understanding and a data base for the science of mammalogy. Baker said the collection is like a library and its contents can be used in a variety of ways depending upon the knowledge desired and the questions asked.



Baker cited armadillos collected over the years as an example of how information can be mere data when collected and an important resource years later. When it was discovered that armadillos accumulate radioactive material in their dermal bones, specimens collected during and after environmental testing of the atomic bomb became a vital research tool.

"The armadillo dermal bones reflect accurately the radioactive material in the environment," he said. "Armadillos collected after the atomic bombs were tested had more radioactive material than ones collected previously. But, when those specimens were collected no one knew what purpose they would someday serve."

Specimens in the Texas Tech collection were used recently to prepare an environmental impact statement for a proposed pipeline in south-central Texas. The availability of the specimens eliminated the need for animals to be collected specifically for the study and older specimens provided information needed to evaluate the impact of the pipeline.

The frozen tissue collection is the only collection of its kind in the United States which is fully curated and computerized, Baker said. The collection is widely used by genetics researchers who need tissue for their research and has provided the data base for several hundred academic publications.

"The mammal collection and the frozen tissue collection have been built very systematically, with the first decision being not to impact any species in order to build the collection," he said. "Through the collection we are actually saving lives because we loan frozen tissue to other researchers. Because of this, we reduce the likelihood of some individuals killing animals, such as gorillas and other endangered species, to sell the tissue."



The collection includes more than 1,000 species. Species represented more than once are used to record genetic change over time, variation in populations and genetic flow in populations.

Housed in the mammal collection are "Mike, the Gorilla," a valuable specimen which was donated after the gorilla died in the Fort Worth Zoo; Vulkan, a Przewalski horse born in Russia and donated by the San Diego Zoo; and two species of Caribbean bats known only from the specimens in the Texas Tech collection.

Baker collected the dedicatory bobcat which, as a top carnivore, might be considered one of the better bioindicator species in West Texas and other arid and semi-arid regions. It was prepared by Joaquin Arroyo-Cabrelas, a doctoral student from Mexico.

The specimen includes a study skin, the skin of the animal stuffed with sterile cotton; the complete skeleton; vital tissues preserved by freezing; and DNA specimens taken from a sample of the frozen tissues.

Museum Director Gary Edson will officially dedicate the 50,000 specimen. Attending the ceremony will be Sen. John T. Montford, Texas Tech President Lauro F. Cavazos, Lubbock Mayor B.C. "Peck" McMinn, and curators from other university mammal collections.

The collection was begun in 1962 by the late Robert L. Packard and was moved into the present facility in 1972. Baker has curated the collection since 1975. Other than Baker six professional mammalogists are associated directly with the collection. They are Dillard C. Carter, Ronald K. Chesser, Clyde Jones, J. Knox Jones Jr., Robert D. Owen, and Michael R. Willig.

cutline -----

2-2-9-88

MAMMALIAN MILESTONE -- This bobcat study skin will become the 50,000th specimen in the Museum of Texas Tech University's Collection of Recent Mammals in a ceremony at 3 p.m. Friday. Robert Baker, curator/director of the Natural Science Research Laboratory which houses the collection and Horn Professor of biology and museum science, collected the animal 15 miles south of Post. The event marks the collection as one of the seven largest university collections in the country. Study skins are stuffed with sterile cotton unlike taxidermy pieces which have false skeletons to provide shape. Study skins are flattened for easy and efficient storage while providing the scientist with critical information about the animal's physical characteristics. (TECH PHOTO)



Texas Tech University  
Texas Tech University Health Sciences Center

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

FOR IMMEDIATE RELEASE

REF: 3-2-11-88

CONTACT: Marydawn Webber

LUBBOCK -- A Technical Assistance Center has opened its doors to assist small businesses, entrepreneurs and inventors in Northwest Texas.

The TAC is jointly sponsored by Texas Tech University, the Texas Engineering Experiment Station (TEES) of Texas A&M and the U.S. Small Business Administration.

Under the direction of TEES, the TAC will serve the 95-county northwestern region of the state and will focus primarily on aiding small businesses and entrepreneurs in establishing and enhancing technology-based businesses.

"The TEES mission is to conduct research, provide services and lend technical assistance to strengthen education, encourage small business and create new jobs, as well as attract new industry and business to the region," said Dr. Herbert H. Richardson, deputy chancellor for engineering at A&M and director of the TEES.

Donald Haragan, vice president for academic affairs and research at Tech, announced the formal opening, and commended the cooperative effort to establish the TAC between Tech's College of Business Administration, College of Engineering, TEES and the district office of the U.S. SBA. "We are all looking forward to making this a successful program for the business community, as well as providing an economic shot in the arm to the Northwest Texas region," Haragan announced.

-more-

Haragan also reminded college faculty members of the relationship between education and a thriving business environment. "The quality of higher education significantly affects economic growth. We all need to help Texas get into that cultural pattern," he said.

"We encourage our faculty to be entrepreneurs. The excitement and enthusiasm of faculty can't help but rub off on students," he added.

The TAC's goal is to help bring new business ventures and technology out of the concept stage and into a reality so it can benefit the business economy, according to Ted Cadou, director of the Northwest Texas Small Business Development Center at Tech.

"I imagine there are a lot of people out there with a lot of good ideas stored somewhere in the garage. What we'd like to do is open some garage doors," Cadou says.

The TAC provides the expertise to get those ideas launched, he adds. "A team approach to technology development will enable us to bring a wide range of skills together in the Lubbock and Northwest Texas area."

The program supplies initial screening of potential business innovations and a prototype evaluation and investigation conducted by experts in engineering and business.

The TAC guarantees confidentiality and protection of technology and patent rights, Cadou says. "We essentially provide people with the necessary information and wherewithal to seek further professional advancement."

-more-



Funding for the program comes from a \$50,000 contract agreement between TEES and the Northwest Texas SBDC, which is matched by federal funds under the current SBA Cooperative Agreement.

The TAC operates as a part of a statewide network established by the TEES in coordination with the state's four regional Small Business Development Centers. The cooperative network will supply research and technology transfer services through the Texas Education Information Systems network, allowing regional innovation centers such as Tech access to a data base of more than 1,200 research centers nationwide.

The NTSBDC serves six subcenters in the Northwest Texas region, located at Abilene Christian University in Abilene, the University of Texas-Permian Basin at Odessa, West Texas State University at Canyon, Midwestern State University at Wichita Falls and Tarleton State University at Stephenville.

More information about the TAC, or other business assistance programs offered by the NTSBDC, can be obtained by calling Cadou at (806) 744-5343.



Texas Tech University  
Texas Tech University Health Sciences Center

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

FOR IMMEDIATE RELEASE

REF: 4-2-2-88

CONTACT: News & Publications

LUBBOCK -- More than 1,200 students at Texas Tech University received degrees in fall 1987 commencement exercises.

Degree recipients included:



FOR IMMEDIATE RELEASE

REF:

CONTACT: Preston Lewis

LUBBOCK -- A one-day seminar on breast cancer screening, detection and treatment is scheduled March 5 at Texas Tech University Health Sciences Center (TTUHSC) for physicians, health professionals and the general public.

The seminar is being funded by the Texas Cancer Council as a pilot program for eventual implementation throughout the state. Dr. Davor Vugrin, director of TTUHSC's Southwest Cancer Center and course organizer, said the seminar is the first step toward a regional training program for health practitioners and the public on skills in eradicating breast cancer.

Simultaneous sessions will be conducted March 5 for the general public and for health practitioners. Registration will begin at 8:30 a.m. with the program starting at 9 a.m. in Room 2C103, TTUHSC. Cost is \$25 for physicians and \$10 for nurses. Continuing education credit is available to health practitioners. The public can participate free in the general sessions and the demonstration sessions scheduled for the afternoon. For details, call (806) 743-2929 or 743-3132.

The course will help identify factors which contribute to breast cancer and will recommend lifestyle modifications which can reduce the risks associated with the disease. A broad view of the techniques for breast cancer screening and early detection will be offered as well as an assessment of the therapeutic options such as lumpectomy, mastectomy, reconstruction, radiation therapy, hormonal therapy and chemotherapy.



During the afternoon session computerized simulations and slide presentations will be shown. Participants will also be able to observe mammography and manipulate model breasts which simulate the symptomatic lumps women should recognize during self examinations.

Program speakers will include TTUHSC faculty from the departments of internal medicine, pathology, radiology and surgery, reference librarian from the TTUHSC Library and nurses from Lubbock General Hospital.

Vugrin said breast cancer is the second most common cancer among Texas residents. Recent figures compiled by the National Cancer Institute show that breast cancer in this country has risen to its highest rate in history. Vugrin said one of the factors responsible for this rise is an increased incidence of breast cancer among women in their twenties and thirties.

"It is widely accepted that even without further advances in treatment, breast cancer deaths could be reduced by at least one-third if screening and early detection techniques were more widely applied and currently available treatments were begun earlier in the disease cycle," Vugrin said.

One of the goals of the Texas Cancer Council, which is funding the TTUHSC pilot program through the Texas Medical Association Physician Oncology Education Program, is to improve the general public awareness of breast cancer, its symptoms and its treatments, Vugrin said.

Selection of TTUHSC and the Southwest Cancer Center to organize this pilot program, Vugrin said, recognizes the center's growing reputation in the field and its innovative approaches to cancer control.

✓  
FOR IMMEDIATE RELEASE

REF:

*Beverly Taylor or*  
CONTACT: Patti Morgan

LUBBOCK -- A Conservation Reserve Program (CRP) Evaluation Workshop is scheduled for Tuesday through Friday (Feb. 16-19) in Room 107 Goddard Range and Wildlife Building, Texas Tech University.

Participants from Texas, Oklahoma, Kansas, Colorado, New Mexico, and Utah will attend the workshop which begins at 8 a.m. on Tuesday, Feb. 16 and concludes at noon on Friday, Feb. 19.

The workshop is designed primarily to train state wildlife agency personnel in collecting data to be used in a multi-state wildlife-oriented evaluation of CRP. CRP evaluation processes for the Central and Southern Great Plains will be discussed.

The workshop will be conducted by Adrian Farmer and other members of the U.S. Fish and Wildlife, Ecological Services Branch, in Fort Collins, Colo.



Texas Tech University  
Texas Tech University Health Sciences Center

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

PUBLIC SERVICE ANNOUNCEMENTS

FOR IMMEDIATE USE

USE THROUGH MARCH 4, 1988

REF: 7-2-11-88

CONTACT: Preston Lewis

PSA: 10 seconds

BREAST CANCER IS CURABLE. EARLY DETECTION GREATLY IMPROVES YOUR CHANCE OF BEING CURED. LEARN THE EARLY WARNING SIGNS BY CALLING THE SOUTHWEST CANCER CENTER AT 743-3132.

PSA: 15 seconds

EARLY DETECTION OF BREAST CANCER CAN MAKE A DIFFERENCE IN YOUR LIFE OR IN THE LIFE OF SOMEONE YOU LOVE. TO LEARN MORE ABOUT THIS DISEASE, PARTICIPATE MARCH 5 IN A BREAST CANCER SEMINAR AT TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER. CALL 743-3132 FOR INFORMATION.

PSA: 30 seconds

KNOWING THE EARLY WARNING SIGNS OF BREAST CANCER CAN SAVE YOUR LIFE. SEEING A PHYSICIAN WHEN SYMPTOMS FIRST APPEAR BROADENS THE TREATMENT OPTIONS AVAILABLE TO YOU. TO FIND OUT MORE ABOUT BREAST CANCER, PARTICIPATE MARCH 5 IN A SEMINAR AT THE TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER. YOU WILL LEARN ABOUT THE CRITICAL EARLY WARNING SIGNS, WAYS TO REDUCE YOUR RISK AND TREATMENT OPTIONS SHOULD YOU EVER CONTRACT THIS DISEASE. FOR DETAILS, CALL 743-3132.

FOR IMMEDIATE RELEASE

REF: 8-2-11-88

CONTACT: Kippie Hopper

LUBBOCK -- A retired historian for the U.S. Department of Agriculture will offer a historical perspective of the family farm during a lecture at 7:30 p.m. Friday (Feb. 19) at Texas Tech University.

Wayne D. Rasmussen, of Washington, D.C., will give his lecture in the Special Collections Room, third floor of the Texas Tech University Library. The talk is the fourth presentation of the Charles L. Wood Agricultural History Lecture series.

Currently a consultant, Rasmussen is writing the 75th anniversary book on the Cooperative Extension Service. He is the co-editor of Farms in Transition and is the editor of the documentary work, Agriculture In the United States.



Texas Tech University  
Texas Tech University Health Sciences Center

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

HEALTH TIPSHEET  
from  
TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER  
February 12, 1988

WONDER DRUGS -- A new drug offering hope to cure some malady is announced in the media. Public expectations are heightened only to be shattered with the statement it may be years before the drug is available on the market. The delay results from Federal Drug Administration regulations which limit the conditions under which new drugs can be marketed. TTUHSC pharmacology Professor Thomas E. Tenner, Ph.D., says the process from identification of a new compound with pharmaceutical potential to ultimate approval for prescription use can take up to 15 years. Despite what may be public frustration at the length of the FDA process, the intent is to make sure that the drugs not only perform their intended purpose but do so without detrimental side effects which could outweigh potential benefits. During the first or pre-clinical phase of the evaluation, the new compounds are tested for their safety and efficacy, usually in an animal model. If it is determined the compound may benefit humans, researchers apply to the FDA for permission to begin clinical tests. Conducted by clinical pharmacologists, these tests start with between 20-80 adult males being given the drugs to see if they can be tolerated and if safe dosages can be identified. The next phase of the testing evaluates the drug's efficacy among a limited number of patients with the symptoms or the likelihood of contracting the malady in question. If the signs remain positive, the compound is then tested on 1,000-3,000 subjects to identify any major side effects. If everything appears positive after that stage, the researchers can submit an application for use to FDA. Once approved by the FDA, the drug can be marketed, though careful monitoring of problems with the drug is required of its manufacturer. For more information on how drugs are tested and the FDA process, contact Tenner at (806) 743-2402.

SORE THROAT -- Strep throat, or septic sore throat, is an insidious malady. The streptococcal infection of the throat is accompanied by a fever and exhaustion. And though those symptoms may disappear, the bacteria at fault may linger and ultimately grow into a more serious malady such as rheumatic fever. That is why a sore throat, particularly in a child, should never be taken lightly. The strep throat patient should complete taking all prescribed medications, even when symptoms seem to have disappeared, to prevent delayed complications from the infection. TTUHSC Pediatrician Linda Robins, M.D., can explain the hidden hazards of strep throat. For details, contact her at (806) 743-2322.

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

9-2-12-88



Texas Tech University  
Texas Tech University Health Sciences Center

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

FOR IMMEDIATE RELEASE

REF: 10-2-12-88

CONTACT: News and Publications

LUBBOCK -- Free art demonstrations are among events scheduled this week at Texas Tech University.

The Valentine's Day Fun Run will begin at 10 a.m. Saturday (Feb. 13) at the north entrance to the Student Recreation Center.

The film "Carmen" will be shown at 3 p.m. Sunday (Feb. 14) in the University Center Allen Theater.

Plant and Soil Science and Entomology graduate student Shang Xiaomin will present "Heterochromatin Diversity and a Genome Relationship of Diploid and Polyploid Wheats" at 4 p.m. Monday (Feb. 15). The lecture, which will be in Room 101 Goddard Range and Wildlife Building, is part of an ongoing lecture series organized by the Department of Plant and Soil Science and Entomology. A reception will precede the talk at 3:30 p.m. in the atrium of the Plant Science Building.

Lubbock artist Eleanor Kreneck will discuss "Dutch Painting -- The Little Dutch Masters" at 11 a.m. Tuesday (Feb. 16) at the Museum of Texas Tech University. The lecture is part of "Art through the Ages," a weekly art seminar series sponsored by the Women's Council of the West Texas Museum Association. Registration and coffee begin at 10:30 a.m. Registration is \$3.

-more-



The Vienna Choir Boys will perform costumed operettas, sacred songs, secular and folk music at 8:15 p.m. Wednesday (Feb. 17) in the University Center Allen Theater. Tickets are \$5 for students and \$8 for the general public. For ticket information, telephone 742-3619.

Philosophy Professor Daniel Nathan will discuss "Legal and Aesthetic Interpretation Again" at 8 p.m. Wednesday (Feb. 17) in Room 318 English Building.

"The Gold Rush" will be shown at 8 p.m. Wednesday (Feb. 17) in the University Center Ballroom.

A pottery-making demonstration and discussion of the art will be featured during Thursday Nights at the Museum at 7 p.m. Thursday (Feb. 18). Architecture professor James Watkins will demonstrate making pottery, and art professor Vern Funk will talk about the art in "Rhythm of the Wheel." Thursday Nights at the Museum are free social and educational events. Refreshments and a reception will begin at 6:30 p.m.

The American classic, "The Time of Your Life," will play Thursday through Monday (Feb. 18-22) in the University Theater. Week night play times are 8:15 p.m., and a matinee on Sunday (Feb. 21) will begin at 2 p.m. A Pulitzer prize-winning comedy by William Saroyan, the play is set at Nick's waterfront saloon and concerns a man's search for happiness and answers to the eternal questions of life.

Retired historian Wayne D. Rasmussen, who worked for the U.S. Department of Agriculture, will offer a historical perspective of the family farm during a lecture at 7:30 p.m. Friday (Feb. 19) in the Special Collections Room, third floor of the Library. The talk is the fourth presentation of the Charles L. Wood Agricultural History Lecture series.



The Baroque Ensemble will perform at 8:15 p.m. Friday (Feb. 19) in the Hemmle Recital Hall of the Music Building.

Tau Beta Sigma will sponsor a solo and ensemble contest Saturday (Feb. 20). For more information, telephone 742-2225.

Efforts to promote a positive image of Texas Tech will be discussed Saturday (Feb. 20) during the winter meeting of the Dads and Moms Association. Parents of Texas Tech students will meet at 8:30 a.m. in the Faculty Senate Room of the University Center for a panel discussion led by Tech President Lauro Cavazos. Other presentations and business meetings will continue until 2 p.m. For more information, contact Dudley Faver, executive director of the Dads and Moms Association, at 742-3630.

A faculty chamber recital will feature James Barber on the violin, Susan Schoenfeld on the viola and Arthur Follows on the violoncello in a performance at 8:15 p.m. Sunday (Feb. 21) in the Hemmle Recital Hall.

The photographic images of Jack Barnosky will be exhibited through Feb. 26 in the S.R.O. Gallery, located in the sub-basement of the Art Building. Barnosky, who teaches photography at the Indiana Vocational Technical College, deals with Pennsylvania coal mines as a man-made landscape.



Texas Tech University  
Texas Tech University Health Sciences Center

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

FOR IMMEDIATE RELEASE

REF: 11-2-12-88

CONTACT: Preston Lewis/  
Rob Shive

LUBBOCK -- Kimi Martin, a junior occupational therapy major in the School of Allied Health at the Texas Tech University Health Sciences Center, has been named a recipient of the 1988-89 Lubbock Monterey AMBUCS (American Businessmen's Club) Therapy Scholarship.

Martin, the daughter of Mr. and Mrs. William Martin of 101 W. Tycksen, Farmington, N.M., was presented the \$500 scholarship.

The scholarship was established by the club to assist junior or senior students who are studying for degrees in various fields of therapy. Qualified students are eligible to apply for these awards during their junior or senior year.

Martin will graduate with a degree in occupational therapy in May of 1989.

-30-

Texas Tech University  
Texas Tech University Health Sciences Center

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

FOR IMMEDIATE RELEASE

REF: 12-2-12-88

CONTACT: Preston Lewis/  
Rob Shive

LUBBOCK -- Stephen Martin, a junior occupational therapy major in the School of Allied Health at the Texas Tech University Health Sciences Center, has been named a recipient of the 1988-89 Lubbock Monterey AMBUCS (American Businessmen's Club) Therapy Scholarship.

Martin, the son of Mr. and Mrs. Joe E. Martin of 5718 70th Place, Lubbock, was presented a \$500 scholarship.

The scholarship was established by the club to assist junior or senior students who are studying for degrees in various fields of therapy. Qualified students are eligible to apply for these awards during their junior or senior year.

Martin will graduate with a degree in occupational therapy in May of 1989.

-30-