

Texas Tech University
Texas Tech University Health Sciences Center

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

FOR IMMEDIATE RELEASE

REF: 1-4-19-88

CONTACT: Beverly Taylor

LUBBOCK -- W.W. and Oma Cooper of Amarillo today (April 20) presented to the Museum of Texas Tech University videotapes of their travels with the 1986 Texas Sesquicentennial Wagon Train.

The Coopers compiled more than 13 hours of videotape on the six-month journey through Texas in celebration of the state's 150th birthday.

The couple traveled with the wagon train by automobile which allowed them to go ahead of the group during the day and gather information at museums and chambers of commerce in cities on the route. At night, they camped with the wagon train and participated in activities with the group.

They initially planned to meet the group at its starting point in Sulpher Springs and travel for four days, but ended up going along the entire six months of the trip.

Cooper, who attended Texas Tech in 1931-32, said he decided to tape the wagon train because of his love of history.

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REF: 2-4-19-88

CONTACT: Beverly Taylor

(MEDIA ADVISORY: You are invited to cover the address about forensic facial reconstruction at 7 p.m. Thursday. Karen Stuart will also be available for interviews Friday morning. For more information or to arrange interviews, contact Neven P. Lamb at 742-2228.)

LUBBOCK -- A forensic artist with the Texas Department of Public Safety in Austin will talk about forensic facial reconstruction at 7 p.m. Thursday (April 21) at Texas Tech University.

Karen Taylor Stuart will speak in Holden Hall Room 77. A reception will follow in Holden Hall Room 280.

Forensic artists use artistic renditions in clay sculpture based on information, such as race, age and sex, provided by forensic anthropologists.

Stuart will show slides of facial reconstructions she has done for the DPS criminal investigations division. Stuart and Neven P. Lamb, chairperson of the Texas Tech University Anthropology Department, have cooperated in several cases.

The lecture is sponsored by the Anthropology Department.

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FOR IMMEDIATE RELEASE

REF: 3-4-19-88

CONTACT: Beverly Taylor

LUBBOCK -- Roy W. Roberts was named Friend of Education and Archie Sims was honored as Distinguished Alumnus Tuesday (April 19) by the Texas Tech University College of Education.

The awards were presented to the two Lubbock residents at the college's Twelfth Annual Recognition and Awards Dinner.

Roberts retired from Lubbock Independent School District (LISD) in 1984 after 35 years in education. He began his educational career as band director in Frederick, Okla. and was band director at Dunbar High School for 18 years. He was an assistant principal at Estacado High School and for 13 years was principal at Dunbar-Struggs High School. He was named 1978 Administrator of the Year by LISD.

He was Delta Sigma Theta Sorority's Man of the Year in 1980 and is president of the Hub City Kiwanis Club. He is involved in numerous civic organizations, including Chamber of Commerce, Omega Psi Phi Fraternity, Boy Scouts, the Draft Board and the Civic Center Board.

He received a bachelor's degree from what is now Huston-Tillotson College in Austin and a master's from Texas Tech University.

Roberts and his wife Harvey Esther have five children and six grandchildren.

Sims earned a bachelor's degree in math and history in 1937 and a master's in history in 1940, both from Texas Tech University.

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He began teaching as one of three teachers in Limestone County. Later, he taught civics, bookkeeping, math, history and other subjects at the elementary, junior and senior high levels in towns surrounding Lubbock. He was principal in Tahoka, Wilson and Meadow schools before working 23 years as superintendent in Three Way, Lazbuddie and Whitharral.

He retired from public schools in 1975 and now has a real estate business in Lubbock. A member of the Lubbock Lions Club, he has two children and six grandchildren.

Four students were also honored for outstanding achievement. Outstanding undergraduate students were elementary education major Kathy Kinnison of Lubbock and secondary education major Nita Fields of Brady. Fay Head of Wolfforth was named outstanding masters student and James Truscott of Dallas, Pa., was named outstanding doctoral student.

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FOR IMMEDIATE RELEASE

REF: 4-4-19-88

CONTACT: Joe Sanders

LUBBOCK -- Four men who have compiled distinguished records in different fields now have one thing in common: they will be honored with honorary doctorates from Texas Tech.

Two will receive their diplomas at commencement exercises next month. Giles McCrary, mayor of Post since 1968, will receive the Doctor of Humane Letters degree from the TTU Health Sciences Center at commencement exercises on May 28. Dallas developer Trammel Crow will receive the honorary doctorate from the university at its May 13 exercises.

James L. Johnson, chairman and chief executive officer of GTE Corp., will receive his doctorate at TTU's commencement in May 1989. Turgut Ozal, prime minister of Turkey, will be awarded the honorary degree at a later commencement, when he can attend.

The Texas Tech Boards of Regents selected the four to receive the degrees at their meeting on March 25 but delayed the announcement until all four recipients accepted.

McCrary is an independent oil operator and rancher who has long been active in promoting West Texas. He received the Cultural Award in 1982 from the West Texas Chamber of Commerce for his support of the arts and community development.

McCrary has served as director of the Texas Tech University Medical Foundation and the West Texas Museum Association.

He is recognized as a major developer of the South Plains Emergency Medical Service, which covers a 15-county area around Lubbock.

Crow entered real estate development in 1948 and has built the Trammell Crow Company into the largest development company in the world. Appropriately, his Dallas Market Center project is the largest merchandise mart in the world.

His prototypes of large indoor atriums in modern buildings have been widely copied.

Crow was inducted into the Texas Business Hall of Fame in 1985 and into the U.S. Business Hall of Fame in 1987. He may be the only Dallas businessman to have ever received royal honors from both the King of Belgium and the Queen of Denmark.

Johnson, a native of Vernon, Texas, graduated from Tech in 1949 with a degree in accounting. He joined the General Telephone Company that year and was elected to his present position last year.

A longtime supporter of Texas Tech, Johnson remarked recently that, "My education made the difference between really living a full life and just existing."

Ozal is an engineer and economist who has headed the government of Turkey since 1983. In bestowing the honorary doctorate, the Boards of Regents recognized Ozal as "an exceedingly trusted and valuable supporter of Texas Tech University through exchange programs with Turkish universities."

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FOR IMMEDIATE RELEASE

REF: 5-4-19-88

CONTACT: Patti Morgan

LUBBOCK -- Lawrence Ray Clayton, dean of the College of Arts and Sciences at Hardin-Simmons University, has been named the 1988 Distinguished Alumnus of the Texas Tech University English Department.

Clayton received a doctorate in English from Texas Tech University in 1974. He graduated from Stephen F. Austin State University in 1960 with a bachelor's degree in English and history. He holds master's degrees in secondary administration from Stephen F. Austin State University and in English and history from North Texas State University.

Clayton, who has taught at Hardin-Simmons University since 1974, is the author of five books and has published more than 70 articles and 100 book reviews and has presented more than 50 papers at scholarly meetings. He is also a co-bibliographer of Western American Literature and a literary criticism editor for Cross Timbers Review.

His research on the folklore of the American West has been featured in reports on NBC and in the New York Times.

Clayton is currently the president of the Taylor County Historical Commission and the Region XIV chapter of the Texas Joint Council of English Teachers. He also serves as second vice president of the Western Literature Association and will become president in 1990.

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Clayton is a member of Phi Theta Kappa, the Southwestern American Literature Association, the Texas Folklore Society and the Western Writers of America.

He was honored by the Texas Tech University English Department at a banquet April 14 when he spoke about "The Regional Scholar and the Sources: One Example of a Happy Union."

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FOR IMMEDIATE RELEASE

REF: 5-4-20-88

CONTACT: Kristie King

LUBBOCK -- Two Texas Tech University students have each received \$100 awards for their fiction and poetry writing.

Jewel Mogan, graduate student, and Bill Wall, senior, were selected for the Robert S. Newton Creative Writing Awards. The award is presented each year to the students who write the best fiction and best poetry as part of the creative writing classes at Texas Tech.

Mogan, a career postal worker from Lubbock, won the best fiction award for her story titled "Twister." She has published stories in magazines such as Mademoiselle and The North American Review. Mogan holds a bachelor's degree from Louisiana State University and a master's degree from Southern Illinois University, both in English.

Wall, a senior English major, won the best poetry award for his poems "Egg and Butter Road," "Corridor: Crystal Lake to Lazbuddie," "Now We Talk Quietly" and "Thin Blue Glow." Wall's poem "Egg and Butter Road" also won the Charles Oliver Memorial Award for Poetry sponsored by the Texas Association of Creative Writing Teachers. He is the son of Mr. and Mrs. I.A. Wall of Shallowater.

The awards were begun by O.V. and Fran Scott Jr. and are continued annually by Mrs. Marjore Chronister in memory of her late husband, Robert S. Newton, a Lubbock businessman and writer who studied in the creative writing program at Texas Tech in the early 1970s.

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FOR IMMEDIATE RELEASE

REF: 6-4-20-88

CONTACT: Kristie King

LUBBOCK -- The Texas Tech University Music Department will sponsor the 55th annual Texas Tech Band/Orchestra Camp July 10-22.

Any junior or senior high school student, with at least one year of music training, can participate in this two-week event.

Students attending the band camp are grouped according to their abilities into one of the 10 bands or three orchestras organized for the camp.

More than 1,000 students participate in the music camp each year and are involved in musical instruction daily and in recreational activities nightly.

Along with the musical instruction, flag corps and twirler instruction is offered.

Fees vary according to whether the student is housed on- or off-campus. The on-campus fee of \$335 includes tuition, meals and housing in a dormitory. The off-campus fee of \$140 includes tuition only.

Registration deadline for the Texas Tech Band/Orchestra Camp is June 10.

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FOR IMMEDIATE RELEASE

REF: 7-4-20-88

CONTACT: Kristie King

LUBBOCK -- Texas Tech University student Michael Shaub, has been awarded a \$2,500 doctoral fellowship from the Richard D. Irwin Foundation.

The foundation awards money to doctoral students during the completion of dissertations in the areas of business, economics and the social sciences. The foundation's goal is to develop qualified teachers.

Shaub, son of Kenneth and Katherine Shaub of 8915 Eldora Drive, Houston, is an accounting doctoral student and was nominated by Danny N. Bellenger, associate dean for academic programs in the College of Business Administration.

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FOR IMMEDIATE RELEASE

REF: 8-4-20-88

CONTACT: Kristie King

LUBBOCK -- Lane Anderson, Ernst & Whinney professor of accounting at Texas Tech University, has been awarded a development leave for the 1988-89 academic year.

Anderson will work with Aerospace Defense Contract Services Group in the Management Consulting Division of Ernst & Whinney in Dallas. He will deal primarily with the problems generated by technological innovations in a manufacturing environment.

A recognized expert in cost accounting, Anderson joined the Texas Tech accounting faculty in 1978. He has published numerous articles and books and has been recognized as an outstanding faculty member by several campus groups.

A certified public accountant and a certified management accountant, Anderson received his Ph.D. in 1970 from the University of Wisconsin. He previously taught at the University of Maryland and at Brigham Young University.

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EXCLUSIVE

REF: 9-4-22-88

CONTACT: Joe Sanders

(Exclusive to Robert Miller, Dallas Morning News).

Dallas developer Trammell Crow will soon have another distinction to add to his long list of honors. Crow will receive an honorary Doctor of Humane Letters degree from Texas Tech University at its May 14 exercises.

Crow entered real estate development in 1948 and has built the Trammell Crow Company into the largest development company in the world. Appropriately, his Dallas Market Center project is the largest merchandise mart in the world.

His prototypes of large indoor atriums in modern buildings have been widely copied.

Crow was inducted into the Texas Business Hall of Fame in 1985 and into the U.S. Business Hall of Fame in 1987. Two years ago the Urban Land Institute presented him with its Distinguished Developer Award.

He may be the only Dallas businessman to have ever received royal honors from both the King of Belgium and the Queen of Denmark.

The Texas Tech Board of Regents, who chose Crow to receive the honorary degree, were impressed by more than his professional accomplishments. They wrote in a citation that Crow's "dynamic, aggressive, and optimistic outlook on life has been an inspiration and example to all those with whom he has been associated."

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The Texas Tech regents will also present an honorary doctorate to Fort Worth native Giles McCrary. He will receive the diploma at commencement exercises of the Tech Health Sciences Center on May 28.

McCrary is now an independent oil operator and rancher in Post, where he has served as mayor since 1968.

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FOR IMMEDIATE RELEASE

REF: 10-4-21-88

CONTACT: Beverly Taylor

LUBBOCK -- Gordon C. Marten, research leader of the United States Department of Agriculture's (USDA) Plant Science Research Unit, will lecture at Texas Tech University Monday (April 25) in the Fourth Annual Thornton Distinguished Lecture Series on Plant Utilization by Ruminants.

Dr. Marten will present "Past and Future Selection of Forage Grasses to Meet the Nutritional Needs of Ruminants" at 4 p.m. in Room 101 Goddard Range and Wildlife Building. A reception will precede the lecture at 3:30 p.m. in the Plant Science Building atrium.

Marten works in the USDA Agricultural Research Service in St. Paul, Minn., and is also a professor in the Department of Agronomy and Plant Genetics at the University of Minnesota.

His research concerns pasture and forage crop production, feeding quality and plant utilization by sheep and cattle. During his 27 years as an agronomist, he has published more than 200 scientific papers and has presented at numerous national and international conferences.

Marten is coordinator of the National Near Infrared Reflectance Spectroscopy Forage Quality Research Project which involves plant and animal scientists, engineers and computer scientists in 17 states.

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FOR IMMEDIATE RELEASE

REF: 11-4-21-88

CONTACT: Preston Lewis

LUBBOCK -- The Texas Nurses Association (TNA) has named Helen Cox of the nursing faculty at Texas Tech University Health Sciences Center (TTUHSC) as 1988 Nurse of the Year in Texas.

Cox is associate dean for continuing nursing education in the TTUHSC School of Nursing. A registered nurse, Cox was recognized in ceremonies Friday (April 15) in Dallas at TNA's annual meeting.

The award is presented annually to a nurse whose contributions to the profession have been deemed exceptional. Cox was recognized as helping bring master's degree level education for nurses in West Texas and for developing programs of especial benefit to smaller rural hospitals. Her impact on the quality of nursing care in West Texas has been described as far-reaching and continuous.

Cox joined the TTUHSC faculty in 1981 after 19 years at the Methodist Hospital School of Nursing where she was assistant director for 10 years. She is a member of several professional organizations, including the Texas Nurses Association, National League of Nursing and the American Nurses Association.

Last year she received a President's Academic Achievement Award from TTUHSC and was recognized by the American Journal of Nursing as co-author of one of the year's top books on nursing administration.

She holds a bachelor of science in nursing from Texas Christian University, a master of science in nursing from the University of Texas at Austin and master's and doctoral degrees in education from Texas Tech. She is the daughter of Mr. and Mrs. Efton Carroll and the late Lalla Dean Carroll of Gatesville.

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FOR IMMEDIATE RELEASE

REF: 12-4-21-88

CONTACT: Marydawn Webber

(EDITOR'S NOTE: The attached map indicates depth in feet to groundwater supplies located within the study area.)

LUBBOCK -- A year-long water availability study just completed by the Water Resources Center at Texas Tech University should whet the appetites for progress in civic leaders and improve the quality of living for all Lubbockites.

According to researchers involved in the study, increasing groundwater reserves beneath Lubbock can be utilized to attract industry to the city, enhance local agricultural prospects and remedy health hazards associated with poor water quality.

"These findings can be utilized by the city to attract manufacturing. Also, it is possible, here in this semi-arid city, that this water can be put to good use for the citizens of Lubbock," announced Dr. Lloyd V. Urban, director of the Water Resources Center at Texas Tech.

"The feasibility study shows that this local groundwater can even be collected and treated for injection into the existing distribution system at costs which are very competitive with the current cost of purchase and treatment of the Lake Meredith water," said Civil Engineering professor Ken Rainwater, a lead researcher in the study.

The groundwater beneath the Lubbock city limits could constitute a third water source for the city which could be considered economically competitive with the current sources, Rainwater said.

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"Even if no other water sources were available," Rainwater said, "this groundwater could supply the city at current use levels for the next 11 years, or longer."

"Modern treatment technologies can be applied economically to derive maximum benefit from this water, and other uses which do not require drinking water quality, such as industrial cooling and agricultural uses, could also be explored," Urban added.

While the water table in the Ogallala aquifer, which underlies most of the High Plains of Texas, has been declining over the years, the research shows that the water stored beneath the City of Lubbock is increasing. Results of the study show that the water table is rising an average of two feet per year within the study area.

The area studied encompasses approximately 60 square miles, bounded by the Lubbock city limits and by the Yellowhouse Canyon in the north and east.

According to study data, the water table has risen most dramatically in the southwest portion of the city, with rises of 20-40 feet in this area since 1981.

This rise, according Rainwater, is due to a combination of factors dating back to the beginning of the century when water wells were installed within what has now grown to be the city limits. The wells were later abandoned when the city began to supplement its water supply by importing water from the Bailey County well field near Muleshoe in 1957. In 1968, Lake Meredith, managed by the Canadian River Municipal Water District, became the principal water source for the city.

Reduced pumping combined with increased recharge of storm runoff through the city's playa lakes contribute to the increase in groundwater storage.

Rainwater states that in addition to the potential benefits of utilizing the water source beneath the city, the increasing water levels have reached a point where it has become a nuisance for underground structures and a detriment to drainage of storm runoff within the study area.

The university has already installed dewatering wells near below-grade (sub-surface) structures such as Jones Stadium and the deep basements of the Business Administration, Art and Architecture buildings.

Rainwater said future below-grade construction in areas where the water table is close to the surface, such as the proposed Tech Freeway, must also take into account the presence of the groundwater.

Urban said the information gained in this study can also contribute to other projects.

"The interaction of surface runoff and the water table is an important factor in present drainage problems experienced in southwest Lubbock and the city has commissioned an engineering study of that situation."

In addition, the Lubbock Lake Landmark archeological dig site, operated by the Texas Tech University Museum, has been affected by the rising water table.

Urban said the low-lying portions of the dig site, located in the Yellowhouse Canyon, have been underwater since 1983, making valuable artifacts inaccessible. The museum staff is currently working with the WRC to consider possible dewatering strategies.

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The WRC study was initiated in 1987 to obtain data on the amount of groundwater stored below the city of Lubbock and the potential costs of developing that water for a portion of the local drinking water supply. A total of 80 wells were measured for depth to the water table, and water samples were collected from 30 wells for chemical analyses.

The analyses included most of the chemicals considered in the primary drinking water standards set in the Safe Drinking Water Act of 1986.

The results, according to Rainwater, indicated that the quality of water varied throughout the study area, with the best quality water found near the major recharging playas.

"As is typical in many parts of the Southern High Plains, the water is classified as 'very hard,' and contains fluoride (which can contribute to 'brown teeth' and weakness of bone strength in the elderly) at roughly twice the primary drinking water limit," Rainwater said. He said, in addition, a small number of wells in the northwest part of the study area contained water with concentrations of trace metals which would require removal before potable use.

As a result, several modern treatment schemes have been analyzed to improve the quality of the water, including various combinations of reverse osmosis, ion exchange, activated carbon absorption and pressure filtration.

Water quality analyses were performed at the Environmental Science Laboratory of the Department of Civil Engineering, the City of Lubbock Water Treatment Plant and the Lubbock Christian University Institute for Water Research.

Urban said the groundwater phenomenon in Lubbock is also known to exist in other areas, including Midland, Odessa, Amarillo and Plainview.

The study was led by professors Rainwater and R. Heyward Ramsey of the Department of Civil Engineering and Marvin Dvoracek of the Department of Agricultural Engineering, and carried out by graduate student Yu-Chi Chen and technician Brad Thornhill.

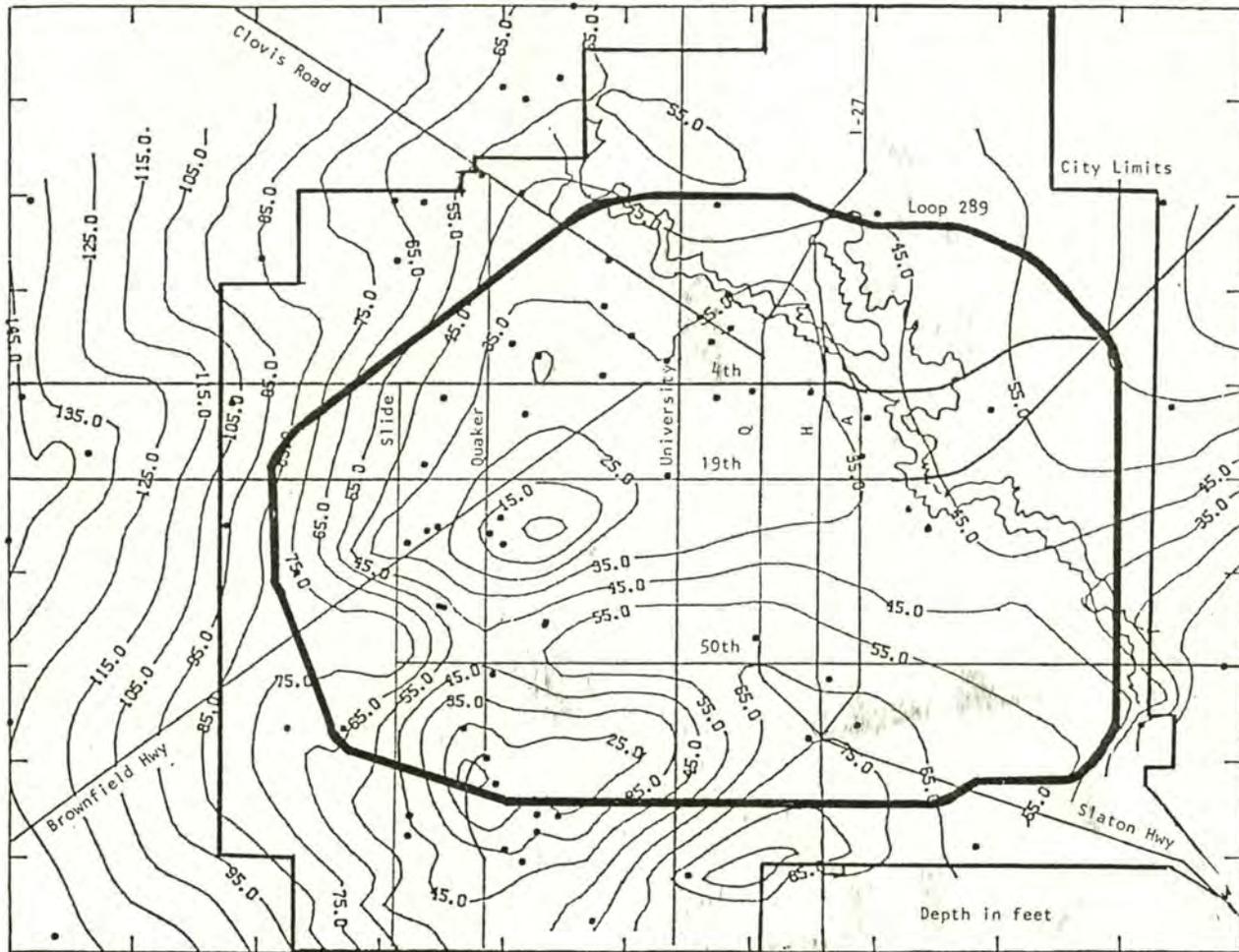


Figure 2. Contour Map of Depth to Groundwater in January, 1987

HEALTH TIPSHEET
from
TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER
April 22, 1988

CANCER ANSWER? -- For years medical researchers have been seeking a wonder drug that would cure cancer, but now some physicians think that may be an impractical goal. These physicians are looking at ways to better administer existing drugs and chemotherapy treatments. Traditionally, a cancer patient has been admitted to a hospital for several days to receive intensive and repeated doses of drugs that often left him sick until time for the next treatment. However, computer-controlled miniature pumps are now making time-release administration of those drugs possible on an ambulatory basis, reports Reinhard von Roemeling, M.D., of the Oncology/Hematology Division in the TTUHSC Internal Medicine Department. Preliminary studies by Roemeling indicate a minute but continuous release of drugs into the bloodstream is more effective than traditional treatment in controlling tumors because it ensures that the medication will reach the cancer cells when they are vulnerable. Further, with the slower time-release method, more drugs can be given over the long term than by the traditional method. And with the time-release system, the quality of life is improved for the patient because long stays in the hospital and the resulting sickness are greatly reduced. These drugs can be released by one of two types of pumps. One, about the size of an English muffin, is implanted in the patient and refilled through the skin by syringe. The other pump, about the size of a small, hardbound book, is worn externally and the drugs administered like a transfusion. Both use microcomputer technology to regulate the dosage flow. Roemeling's clinical studies indicate a greater effectiveness in controlling tumors for this type of treatment than for the large-dose treatment. For details on what these findings could mean to cancer patients, contact Roemeling at (806) 743-3132.

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

13-4-22-88

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FOR IMMEDIATE RELEASE

REF: 14-4-22-88

CONTACT: Beverly Taylor

LUBBOCK -- Almost 100 school districts from six southwestern states will be on the Texas Tech University campus Tuesday (April 26) to interview possible job candidates.

Education graduates and others interested in education can attend the job fair from 10 a.m. to 4 p.m. in the University Center Ballroom. School district representatives will attend from Texas, New Mexico, Kansas, Colorado and California.

On Tuesday, students can provide resumes and visit informally with school district representatives.

About 35 school districts will conduct formal interviews on Wednesday (April 27) through the Career Planning and Placement Center in West Hall. Interviews can be arranged in advance or on Tuesday.

For more information, contact Career Planning and Placement at 742-2210.